SEMESTER – I

Instructional hours per Subject : 90 (Theoretical Discourses – 60 & CE – 30 hours)

Perspectives in Education/Core Subjects:

EDU-01	:	Knowledge and Curriculum: Philosophical and Sociological Perspectives.
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- EDU-02
- Developmental Perspectives of the Learner.Technology and Communication in Education. EDU-03

Curriculum and Pedagogic Courses/Optional subjects:

Theoretical Base ofEducation. EDU-04. 1-13 :

EDU-05. 1-13 Pedagogic Content Knowledge Analysis : :

EDU - 01: KNOWLEDGE AND CURRICULUM: PHILOSOPHICAL AND SOCIOLOGICAL PERSPECTIVES.

Hours to transaction:60 (Theoretical discourses)&CE - 30 hrs (Activities/Process)

Objectives:

- > To recognise broad functions of education and role of teacher as a leader
- > To develop personal philosophy of teaching
- > To synthesise eclectic tendencies in teaching
- > To understand the sociological functions of education
- > To synthesise the role of teacher as a change agent and nation builder
- > To synthesise the role education in promoting national integration and peaceful coexistence

Contents:

- UNIT I : TEACHER AND EDUCATION (15hrs)
- UNIT II : PHILOSOPHICAL PERSPECTIVES OF EDUCATION (30 hrs)
- UNIT III : SOCIOLOGICAL PERSPECTIVES OF EDUCATION (25 hrs)
- UNIT IV : EDUCATION AND SOCIAL CHANGE (20 hrs)

UNIT I : TEACHER AND EDUCATION (15 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To develop the broad concept of education To understand Meaning, definitions and Aims of education To develop awareness on types and agencies of education To realise qualities and competencies and professional Ethics of teachers 	 Meaning and concept of Education General Aims of education Definitions of Education Formal, informal, and non-formal education Child centered and life centered education Teacher- Qualities and Competencies Teaching- An Art and Science Professional Ethics of Teachers 	Meaningful verbal expression Lecture-discussion ICT Group Discussion	 Role Performance Analysis in group Discussion Involvement in Debates Seminar Presentations Assignments Class test

REFERENCES :

- Agarwal. J.C (2008). Education in the emerging Indian Society. Shipra Publications
- Anand, C.L. et.al. (1983). Teacher and Education in Emerging in Indian Society, NCERT, New Delhi.
- Sharma R.A. (1993). Teacher Education: Theory, Practice and Research. Meerut : International Publishing House
- Zhijian, L.The multirole of Teacher: Retrived July 10, 2012, from Wuhan university of science and engineering: http://www.seiofbluemoutain.com
- http://www.ncert.nic.in/
- http://teaching.about.com
- http://www.ncte-india.org.

UNIT II: PHILOSOPHICAL PERSPECTIVES OF EDUCATION(30 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To develop personal philosophy of teaching To develop an awareness and attitude towards eclectic tendencies in education To analyse the contributions of thinkers towards education 	 Relationship between Philosophy and Education Thoughts on Education - Idealism – Naturalism-Pragmatism -Realism - Humanism- features and educational implications Contributions of thinkers towards curriculum -Methods of teaching by Froebel and Montessori Stage wise curriculum suggested by Plato -Aritotle-concept of realism-taxonomy of living organisms -Project method and experimental school suggested by Dewey Indian Thinkers-Vivekananda- S.Radhakrishnan, Gandhiji – Tagore, Aurobindo Eclectic tendencies in education 	Meaningful verbal expression Lecture-discussion ICT Seminar Debate	 Participation and Performance in Quiz Competition Seminar Presentations Class test practicum

REFERENCES:

- Brubacher John. S (1962). Modern Philosophies of Education. New Delhi: Tata McGraw,
- Butter J. Donald (1951). Four Philosophies and Their Practice in Education and Religion New York: Harper and Brothers Publishers
- Chatterjee.S (2012). Principles and practices of modern Education. Arunabha sen book(p) ltd. Kolkatta.
- Dewey John (1938). Experience and Education. New York: Macmillan.
- Gandhi m.k. (19037). basic education, navajivan publishing house, Ahmedbad
- George Thomas (2004) Introduction to Philosophy, Delhi, Surjeet Publication
- http://www.mu.ac.in
- Rai B.C (1997), Theory of education,. Prakasan Kendra. Lucknow
- UNESCO. (2004) Education for All: The Quality Imperative. EFA Global Monitoring Report. Paris.
- http://www.unesco.org/
- http://www.indianphilosophy.50webs.com/advaita.htm
- http://www.mu.ac.in/myweb_test/MA%20Education-Philosophy/Chapter-2.pdf
- http://vpmthane.org/Publications(sample)/Indian%20Philosophy

UNIT III: SOCIOLOGICAL PERSPECTIVES OF EDUCATION (30 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To identify the interactive role of education and society	Interactive role of education and societyFunctions of education with regard to Culture	ICT enabled group	Document AnalysisField visit reports
 To develop an understanding about the role of education with regard to culture To synthesis role of curriculum to inculcate national integration and international understanding 	–Preservation, Transformation and Transmission	discussion Field trip Lecture-discussion	 Class test Role Performance Analysis in group Discussion Seminar Presentations

REFERENCES:

- Agarwal J.C.(19991). Theory and [practices of education. Vikas publishing house Pvt Ltd. New delhi.
- Dash BN(2002). Teacher and education in the emerging Indian Society. Vol.2. Neelkamal publication. Hydrabad.
- Arora G.L & Pranati Panda. Fifty Years of Teacher Education in India (Post Independence Developments): NCERT
- Chinara B.(1997). Education and Democracy, APH. New Delhi.
- John, Zeepa Sara. (2012) Philosophical and Sociological Foundations of Education. Chennai: Almighty Book Company,
- Mukherji SM.(1966). History of education in india, charya book depot, baroda..
- http://www.mu.ac.in/
- http://www.yazour.com/

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To analyze and synthesize the sociological functions of education To develop awareness about the characteristics of Indian society. To synthesize the significance of Education as an agent of social change 	 Characteristics of Indian Society –class, religion, ethnicity, language. Social Change – Factors influencing social changes- Role of Education Major changes occurred in Indian society Conscientisation - Areas where conscientisation is needed Role of education to curb Social evils like Corruption, Terrorism, Antinational activities, Violence against women, Drug abuse and Alcoholism etc. Teacher as a Change agent and Nation builder 	Lecture Cooperative Learning Discussion Social Constructivism	 Initiation and performance in dramatization Field visit reports Role Performance Analysis in group Discussion Involvement in Debates Seminar Presentations Class test Practicum

UNIT IV: EDUCATION AND SOCIAL CHANGE (20 hrs)

REFERENCES :

• Elder, Joseph W. (2006), "Caste System", Encyclopedia of India (vol. 1) edited by Stanley Wolpert, 223–229, Thomson Gale: ISBN 0-684-31350-

- Freire, P. (1972). Pedagogoy of the Oppressed. Harmondsworth: Penguin
- Raman, S.A. (2006). "Women's Education", Encyclopedia of India (vol. 4), edited by Stanley Wolpert, 235–239, Thomson Gale: ISBN 0-684-31353-7
- Saraswathi, B(1998). The cultural dimension of education. New delhi, indira Gandhi national center for the arts
- http://en.wikipedia.org/wiki/Terrorism_in_India
- http://library.thinkquest.org/
- http://en.wikipedia.org/
- http://en.wikipedia.org/

EDU - 02: DEVELOPMENTAL PERSPECTIVES OF THE LEARNER

Objectives: To enable the student teacher:

- 1. To conceptualise the nature, scope and methods of Educational psychology.
- 2. To familiarise the approaches for the study of Educational Psychology
- 3. To develop an understanding of the concept, principles and theories of Growth and development.
- 4. To familiarise the developmental tasks and developmental hazards
- 5. To understand the developmental characteristics of Childhood and Adolescence.
- 6. To develop an understanding of the concept, nature and various theories of intelligence
- 7. To understand the meaning, nature, process of creativity development and the strategies for fostering creativity.
- 8. To develop an understanding of the concept and theories and development of Personality.
- 9. To understand the concept of Adjustment, Maladjustment and the causes of mal-adjustment.
- 10. To equip student teachers to apply the theories in facilitating overall development of the learner

Contents:

- UNIT I : FOUNDATIONS OF EDUCATIONAL PSYCHOLOGY
- UNIT II : DEVELOPMENT OF THE LEARNER
- UNIT III : LEARNER DIFFERENCES IN INTELLIGENCE AND CREATIVITY
- UNIT IV : PERSONALITY OF THE LEARNER

UNIT I FOUNDATIONS OF EDUCATIONAL PSYCHOLOGY (15 hours (10 T+ 5 P))

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To develop an awareness about the	1. Educational Psychology- Meaning, Scope	Lectures	Reflective practices
need for educational psychology for a teacher2. To develop an understanding of the nature, scope and methods of Educational psychology.	 Limitations and relevance in classrooms Schools of Psychology- Structuralism Functionalism, Behaviourism, Cognitive Humanistic and Gestalt Schools Scientific method of studying behavior 	application of	 Assignments Seminar presentation Test paper Performance in discussions

3.	To understand various approaches	Methods of studying Educational	Comparison of
	to study Psychology.	Psychology- Introspection, Observation,	different schools of
4.	To familiarise the different schools	Experimentalmethod and Case Study	psychology
5.	of Psychology To familiarise the various branches		Case study
	of psychology		Self analysis

- Chauhan, S.S (2006) Advanced Educational Psychology New Delhi :Vikas Publishing House. Woolfolk, Anita (2004), Educational Psychology (9th ed.) India: Pearson Education Mangal, S.K (1997) Advanced Educational Psychology New Delhi Prentice Hall of India ٠
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UNIT II DEVELOPMENT OF THE LEARNER (30 hours (20 T +10 P))

	Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. 2.	To develop an understanding of the concept, principles and theories of Growth and development. To familiarise the different aspects of development and developmental tasks and	 Growth and Development: Concept and Principles, Developmental tasks and Developmental hazards Theories of development- Piaget's theory of Intellectual development, Erickson's theory of Psycho social development and Kehlberg's theory of Margin development 	Group discussion to compare the characteristics of childhood and adolescence	 Reflective practices Performance in group discussions Assignments Seminar presentation Test paper
3. 4.	developmental tasks and developmental hazards To understand the developmental characteristics of Childhood and Adolescence. To critically evaluate the contributions of various theories	 Kohlberg's theory of Moral development Developmental characteristics with special reference to childhood and adolescence Physical and motor development Cognitive development Language development(Noam Chomsky, Vygotsky) 	Seminars on the highlights of various theories Lecturing Child study	Child study reportsCommunicative skillsSelf study reports

of development5. To conceptualise the role of teacher in facilitating development of the learner	 Emotional development Moral& social development- Role of teacher in fostering development of the learner. 	Application of different methods for understanding adolescent problems
		Analysis of theory and its application in different contexts

• Hurlock, B. Elizabeth(2003)., Developmental Psychology NewDelhi: Mcgraw-Hill

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- Berk, L.E (2012) Child Development (6th Ed .)New Delhi: Prentice Hall of India, Witting A F,(2001) Developmental Psychology, A life span Approach, New Delhi: Mc. Graw Hill
- Penuington, D, et.al (2010) Advanced Psychology: Child Development, Perspectives and Methods, London: Hodder & Stoughton

Unit III: Learner I	Differences in Intelliger	ice and Creativity (25	• Hours(17 T+ 8 P))

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To conceptualise the individual	٠	Meaning and nature of intelligence	Lectures	•	Practical work
	difference among the learners on	•	Theories of Intelligence - two factor, group	Course discussion	•	Assignments
	the basis of intelligence and		factor, multi factor, Guilford's structure of	Group discussion	•	Seminar presentation
	creativity		intellect model - Multiple intelligence etc.	Administer any one	•	Test paper
2.	To develop an understanding of the	•	Measurement of Intelligence -verbal,	intelligence test and	•	Performance based assessment
	concept, nature and various		nonverbal and performance tests	familiarize the		
	theories of intelligence	•	Emotional intelligence, Social Intelligence,	procedure.		
3.	To understand the meaning, nature,		Spiritual Intelligence- Meaning and Scope	1		
	process of creativity development	•	Creativity- meaning and nature -	Prepare activities		
	and the strategies for fostering			based on the multiple		

creativity.	Identification of Creative Learner - Process	intelligence theory	
 To familiarise the measurement of intelligence and creativity 	of Creativity , measurement of creativity, Teacher's role in fostering Creativity.	Prepare sample items for verbal creativity tests (minimum 4 items) Develop an activity to foster creativity in the classroom Design of Strategies for promoting emotional, social and spiritual intelligence among students	

- Dwyer, D. &Scampion, J (1995): Psychology A- Level: Great Britian: Mcmillan.
- Barochisky, G.B Poeytes Book (1984)Intelligence Procedures in Psychology, Philadelphia
- Gates, A.S and Jersild, A.T (1970) Educational Psychology, New York : Macmillian
- Teele, Sue (2000), Rainbow of Intelligence: Exploring how students Learn, California: Corwin Press Inc.

Unit IV Personality Of The Learner (20 Hours (13t+ 7 P))

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To conceptualise the individual	•	Concept of Personality- role of heredity and	Lectures	٠	Reflective practices
	difference among the learners on		environment,	Case study of unions	٠	Assignments
	the basis of Personality	•	Approaches to study personality - Psycho	Case study of unique	•	Seminar presentation

 To develop an understanding of the concept of adjustment To understand the factors causing maladjustment To familiarise the personality tests To conceptualise mental health and mental hygiene 	 Theory (Allport) Characteristics of mature personality. Assessment of personality- techniques and methods- projective techniques 	personalities Group discussion to identify the characteristics ofmature personality Administer any one personality test andfamiliarize the procedure Conduct a discussion on teacher's role in identifying and managing maladjusted learner Discussion on mental health programmes 7.Action research on adjustment patterns	 Test paper Practical works
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- Allport, G.W (1937) Personality: A Psychological Interpretation Hentry Holt & Co. NewYork.
- Cattel, R.B (1959) Personality and Motivation : Structure and Measurement, M.B. Graw Book Company, New York
- Guilford JP (2007) Personality, : New Delhi: Surjeet
- Dash , M. & Dash, N. (2006) Fundamental of Educational Psychology: New Delhi: Atlantic Publishers and Distributors
- Aggarwal, J.C (1994) Essentials of Educational Psychology New Delhi : Vikas Publishing House
- Berk,Laura E, (2003). Child Development (6th ed). New Delhi :PrenticeHall of India.

- Craig J Grace (1983) Human Development Prentice Hall, INC, Eagle Wood Cliffe, New Jersey.
- Crow, L.A and Crow A Educational Psychology (1973) New Delhi : Eurasia Publishing House.
- Devas, R.P., Jaya N. (1984). A Text Book on Child Development. Bombay :McMillan India Ltd.
- Dinkmeyer.C.D(1967) Child Development, New Delhi, Prentice Hall of India Pvt.Ltd.
- Dunn,R.,&Dunn,K.(1978).Teaching students through their individual learning styles. Reston,V.A.: Reston Publishing Company,Inc.
- Duric, L (1990)Educational Psychology New Delhi : Sterling Publishers.
- Elliott, A.J (1981) Child Language Cambridge University Press
- Entwistle, N.J. (1981). Styles of learning and teaching. New York: John Wiley.
- Entwistle, N.J. (1987). Understanding classroom learning. London: Hodder & Straughton.
- Hilgad, E.R. And Bower, G.H., (1977). Theories of Learning. New Delhi :Prentice Hall of India Ltd.
- Hurlock E.B (1995) Development Psychology A Life Span Approach. New Delhi : Tata Mc Grow Hill Publishing Co.
- Jangira, N.K., etal (1991). Functional Assessment Guide. New Delhi : NCERT.
- Musser, P.H, Conger, S and Kagar, P (1964) Child Development and Personality, New York : Harper Row
- Nisha, Maimun (2006); Milestones of Child Development; New Delhi: Kalpaz Publications
- Reilly, P.R & Levis, E (1983) Educational Psychology New York :Macmillian Publishing Co Ltd.
- Schunk, D.H(2011)Learning Theories an Educational Perspective, New Delhi, Pearson Education.
- Skinner .E.C(2003) Educational Psychology, New Delhi, Prentice Hall of India Pvt.Ltd.
- Umadevi, M.R., (2009) Educational Psychology: Theories and Strategies for Learning and Instruction, Bangalore, Sathkruthi Publications
- Wolman, P.B (Ed) (1982) Hand Book of Developmental Psychology Prentice Hall : Engle Wood Cliffs, New Jersey

Websites

• http://www.libraries.psu.edu/

http://www.teacher.net

• http://teamwork.sg/teamwork/schoolportal.aspx

http://www.enhancelearning.co.in/SitePages/Index.aspx

EDU - 03 : TECHNOLOGY & COMMUNICATION IN EDUCATION

(Theory 60 hours+ Practical 30 hours)

Objectives

- To develop an understanding of the concepts in educational technology and communication.
- To empower prospective teachers through the blending of technological aspects with pedagogical principles.
- To acquaint the prospective teachers with the application and use of e-resources, free and open source software.
- To explore the creative avenues in technological advancements for improving the teaching learning process.
- To familiarize with the concept of teacher as a Techno pedagogue.
- To create an awareness regarding teacher as a content creator.
- To explore creative avenues for enriching classroom teaching learning process
- To create a zinc with man, machine and material with regard to technological resources

Contents :

- Unit I : Introduction to Educational Technology (Theory 20hours & Practical 2 hours)
- Unit II : Communication Technology (Theory10 hours)
- Unit III : ICT in Education (Theory 20 hours & Practical25 hours)
- Unit IV : Students Safety on the net (Theory10 hours& Practical 3 hours)

UNIT I : INTRODUCTION TO EDUCATIONAL TECHNOLOGY (THEORY 20 HOURS & PRACTICAL 2 HOURS)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment		
A	A. Educational Technology							
1.	To provide a smooth entry into the field of educational technology	•	Educational technology- concept, objectives and scope.	Narrative session	•	Evaluation based on documentation		
2.	To differentiate between teaching and instructional technology	•	Difference between technology in education (Instructional technology) and technology of education (teaching technology)	Direct instruction Verbal interaction	•	Participant observation		

3.	To set a perspective on different approaches of technology	•	Approaches of educational technology – Hardware Software and Systems approach	Interactive session Meaningful verbal expression	•	Evaluating the level of participation
4.	To familiarize with various agencies and services in the in the field of educational technology		Resource centres and services in educational technology CIET (NCERT) SIET EMMRC UGC-CEC C-DIT EDUSAT NME-ICT NPTEL IT@SCHOOL VICTERS CHANNEL AKSHAYA PROJECT GYAN DARSAN INFLIBNET	Viewing programmes Class discussion Class seminar Assignment	•	Assessing students report Participation in the seminar Evaluating the assignments
B.	Media in Education					
1.	Creating awareness provision for effective use of aids in teaching and learning	•	Print media- Newspapers Books Journals Magazines	Group discussion Small group session	•	Participation in group discussion Role performance analysis
2.	To realize the relevance of mass media in education	•	Non print media- mass media(radio, T.V., Films in education)	Group discussion General discussion Seminar	•	Participation in group discussion Presentation skill
3.	Develops the ability to choose the most suitable learning aid while preparing the teaching lesson	•	A-V aids: definition, types audio aids visual aids A-V aids.	Group discussion Narrative expression Seminar	•	On task behaviour in class Participation in group Presentation skill

4.	To differentiate between multimedia and multisensory approach	•	Meaning & concept of Multimedia and Multi sensory approach-	Meaningful verbal expression	•	Participatory behaviour
5.	To familiarize with the classification of A-V aids	•	Dales cone of experience	Meaningful verbal expression	•	Participation in class activity
6.	To familiarize with teleconferencing and its application in classroom	•	Teleconferencing: Audio Video	Techno-lab activity Demonstration Meaningful verbal expression	•	Participation in the learning process Involvement in class activity
7. 8.	To familiarize with the latest educational technology equipment Develop skill in using interactive white boards	•	Interactive white board- uses & advantages over normal chalk board	Demonstration Hands on experience	•	Participation Skill assessment
9.	To familiarize with the strategy for digital education in classrooms	•	Smart Classrooms	Class discussion	•	Participation in the class activity

Unit II. Communication Technology (Theory 10 hours)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1. 2.	To introduce the concept of communication To familiarize with the various types of communication	•	Communication-: concept, scope types – verbal, non verbal. Style purpose- face to face, formal and informal, one way- two way.	Group discussion Documentation	•	Role performance analysis in group discussion Evaluation of documentation
3.	To identify different components of classroom communication	•	Communication cycle- components of classroom communication	Group discussion Preparing an assignment	•	Role performance assessment in group discussion Examine the assignment
4. 5.	1	•	Classroom as a communication system: components of effective classroom communication	Meaningful verbal expression Group discussion	•	Role performance analysis
	communication process during the					

	classroom teaching			
6.	Acquaint with the FIACS	Classroom Interaction Analysis –	Hands on experience	• Assessing the skill development
7.	Develops skill in matrix	• FIACS		
	construction.	• metric construction and interpretation		Mid Sem Exam
8.	To develop the ability to interpret		Individual practice	
	the matrix and to explain the			
	nature of the classroom			
	interaction			

UNIT III: ICT IN EDUCATION (THEORY 20 HOURS & PRACTICAL 25 HOURS)

	Learning Outcome	Major concepts	Strategies & Approaches	Assessment
A	Introduction to ICT in education			
1.	To familiarize with the role of ICT in education	• Concept and importance of ICT in education	Verbal expression General discussion Assignment	• Evaluation based on documentation
2.	To explore applications of ICT in various field of education	 Scope of ICT in Education Teaching- Learning process Publication Evaluation Research 	Group discussion	• Role performance analysis
3.	To familiarize with advancements in world wide web	 Trends and advancements in www: Web 1.0 Web 2.0. Web 3.0 	Collaborative interaction	• Level of participation in group activity
4.	To understand the role to teacher in a digital era	• Teacher in a digital era: Changing roles and competencies	Meaningful verbal expression Active learning activities Brain storming	Assimilating the materialsMonitoring participation and performance

1. Acquaint with various concepts in ICT and its applications in the	• Concept, meaning and merits of :	Meaningful verbal	Participation in class activity
ICT and its applications in the classroom teaching learning	Computer Assisted Instruction (CAI)	expression	• Observation
process	• Computer Managed Instruction (CMI)		Observation
process	• Computer Mediated Communication (CMC) in Education	Practical sessions	• On task behaviour
	Computer simulation		
	Blended learning	Domonstrations	
	Educational podcast	Demonstrations	
	• m-learning	Techno lab activities	
	Web- based learning	Online resources	
	Cloud computing.	Multimedia modes	
2. To familiarize with the web	• Web services:	Demonstration	Participation in activities
resources	• e-mail	Online resources	Skill development
	• chat		On task behaviour
	• online forums	Hands on experience	
	• blog	Techno lab activities	
	• wiki		
	• e-library		
3. To develop the ability to use the	• Academic web resources :	Online resources	
web resources	• e-journals		
	online dictionary	Demonstration	
4. To familiarize with various free	• Familiarizing free educational software:	Demonstration	• Performance assessment in
software's applicable in classroom	• Tellurium	T11-1	techno lab activities
	• Kalzium	Techno lab activities	• On task behaviour
5. To develop skill in using	• Tupic 2 D Magic	Hands on experience Peer group	
software's for enriching classroom	• G-Compris	instruction	
activity	• Geogebra.	msudetion	
5. To explore creative avenues of ICT		Meaningful verbal	• Participation in the classroom
in education	asynchronous- merits and demerits:	expression	activity
	Learning Management Systems.		
		Discussion	

		•	Learning Object Repository(LOR)	Reflective sessions	٠	Role performance analysis
				Online resources		
7.	To familiarize with content	•	e-content features- concept and scope.	Narrative sessions	•	Participation in class activity
	development process and platforms available	•	e-content development initiatives in India : NME-ICT, UGC-CEC	Reflective practices	•	On task behaviour
				Online resources		
8.	To get acquaint with the concept of	•	Virtual tools :	Demonstration	٠	Participation in activity
	virtual learning environment	•	Virtual learning Environment			
		•	Virtual Labs			
		•	Web applications for development of tests :	Discussion		
9.	To familiarize with the tools	•	Hot potatoes			
	available for creation of tests	•	Online quiz maker	Techno lab activity		

Unit IV. Students Safety on the net (Theory 10hours & Practical 3 hours)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To familiarize with computer safety on the net	•	Computer virus- (malwares, spywares, trojan)- preventive measures- (Firewall, antivirus software)	Introductory lecture Techno lab activities	•	Performance in techno lab activities
				Peer tutoring		
2.	To create an awareness about personal safety on the net	•	Cyber privacy and password protection	Demonstration Hands on experience Techno lab activities Peer tutoring	•	Participant observation Skill assessment Performance assessment
3.	To familiarize with the legal and ethical issues	•	Legal and ethical issues- Copyright, Plagiarism, Hacking, Netiquette, Phishing, Software privacy	e- resource demonstration	•	Participant observation Performance in classroom discussion
4.	To develop a sense of intellectual property right			Group discussion		

5. To know about cyber laws	• Cyber law- IT Act 2000, IT Act 2008.	Class discussion Printed media such as newspapers and magazines Home assignment	 Participation in class discussion Locating resources related to content Evaluating the assignment
6. To practice wise use of web resources	 Role of teacher in conscientizing about Child abuse over the net Misuse of internet (morphing, pornography) Health hazards of using computer 	Internet based activities Techno lab activities Peer tutoring Individual assignment	 Skill development assessment Participation in lab activities Evaluating assignments

Suggested Readings

- Parker, JessicaK.(2012). Teaching Tech-Savvy Kids- Bringing Digital Media into the Classroom, Grade 5-12. New Delhi: SAGE Publications.Pvt.Ltd.
- Kist, William(2012). The Socially Networked Classroom- Teaching in the New Media Age. New Delhi: SAGE Publications Pvt Ltd.
- Jimoyiannis, Athanassios(2012). Research on E-learning & ICT in Education. New York: Springer.
- Aimee M.Bissonett, J.D.(2009). Cyber Law- Maximising Safety and Minimising risk in classrooms. New Delhi: SAGE Publications India Pvt. Ltd.
- Cennamo, Katherine(2012). Technology Integration for Meaningful Classroom Use: A Standards- Based Approach. New York: Cengage Publishers
- Aggarwal, D.D.(2009). Educational Technology. New Delhi: Sarup& Sons India Pvt. Ltd.
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- Nicols, Adelaide Doyle., Cox, J.SabrinaMims., Johnson, Ruth1s., (2012). Developing Portfolios in Education- A guide to Reflection, Inquiry & Assessment -2nd edition. New Delhi: SAGE Publications Pvt. Ltd.
- Wright, Robert J. (2008). Educational Assessment, Tests & Measurements in the Age of Accountability. New Delhi: SAGE Publications Pvt.Ltd.
- Jefferied, Julie & Diamond, Ian (2013). Beginning Statistics- An Introduction for Social Scientists. New Delhi: Sage Publications Pvt. Ltd.
- Smith, Claire Wyatt & Klenowski, Valentina (2013). Assessment for Education- Standards, Judgement & Moderation. New Delhi: SAGE Publications Pvt Ltd.
- Nath, Ruchika & Singh, Y.K.(2008). Teaching of Computers. APH Publishing corporation, New Delhi
- Chaudhary, Jagdeesh & Pathak, R.P. (2012) Educational Technology. Pearson. Dorling Kindersley(India) Pvt.Ltd., New Delhi
- Venkataih., N.(2012). Educational Technology,. Atul Publshers, New Delhi
- Sharma, R.A. (2005). Technological Foundations of Education. R.Lal Book Depot, Meerut.

Web Resources

- www.avaudiovisualaids.blogspot.com/2010/10/av-aids-in-teaching.html
- www.slideshare.net/pria87/audio-visual-aids
- www.tecweb.org/eddevel/edtech/teleconf.html
- www.slideshare.net/diputr/fiacs-flanders-interaction
- https://moodle.org/
- www.ehow.com/list_7640133_legal-ethical-issues-technology.html
- www.rogerdarlington.co.uk/Internetethics.html
- www.thefreedictionary.com/computer+simulation
- www.jite.org/documents/Vol2/v2p001-013-59.pdf
- www.e-learningconsulting.com/consulting/what/e-learning.html
- www.cemca.org/e-learning_guidebook.pdf

EDU-04.1 : THEORETICAL BASE OF MALAYALAM EDUCATION.

(Theoretical Discourses - 60 hours & CE - 30 hours)

Objectives:

- To get familiarized with the functional plane of teaching and learning and the divergent roles expected to be played as a teacher
- To understand the importance, nature and functions of Mother tongue
- To get accustomed with the evolution of Malayalam language
- To understand the relation between Malayalam and other language.
- To find out the relation between language and culture.
- To get familiarized with the aims and objectives of teaching Malayalam, Taxonomy of educational objectives etc.
- To understand the Methods, approaches, strategies, modern educational theories and concepts of teaching Malayalam language and literature

Contents :

- Unit 1 : Introduction to teaching and Learning -
- Unit 2 : Nature and Development of Malayalam –
- Unit 3 : Aims and Objectives of Teaching Malayalam -
- Unit 4 : Methods and Strategies in Malayalam Teaching; Traditional and Modern –
- Unit 5 : New Educational Theories and Concepts –

UNIT 1: INTRODUCTION TO TEACHING AND LEARNING

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To get familiarized with the			
functional plane of teaching	• Inter dependence of teaching and		
and learning and the divergent	learning- class room, teacher, learner, teaching		
roles expected to be played as	learning process,		
a teacher	Learning Environment, Learning		
	activities, Learning Styles, Learning aids	Group discussion	

• Group act	vities, Grouping techniques	Assignment Paper
Definition point of view Maxims o	of learning from differentAssignmentf teachingSeminar	presentation
mentor, facilitator scaffolder, Social • Language	0	Participatory Discussions

UNIT 2: NATURE AND DEVELOPMENT OF MALAYALAM

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand the importance, nature and functions of Mother tongue To get familiarized with the evolution of Malayalam language To understand the relation between Malayalam and other language. To find out the relation between language and culture. 	 Functions of Language Impact of language on social, intellectual, cultural, educational development Importance of Mother tongue - Mahatma Gandhi's vision on the importance of Mother tongue, Mother tongue and medium of instruction Malayalam as an official language Mother tongue as a tool for preservation, transmission and transformation of culture 	Assignments Debates Seminar/Symposium	 Assignment Paper, Seminar presentation Test Participation in Debate & Symposium

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To get familiarized with the aims and objectives of teaching Malayalam, Taxonomy of educational objectives etc. 	 Aims and Objectives of teaching Malayalam at different levels of schooling with special emphasis to secondary and Higher secondary levels Curricular objectives of Secondary and Higher Secondary classes Taxonomy of Educational objectives – Benjamin Bloom 	Debate on recent changes practiced in the state schools Discussion on the relevance of Blooms Taxonomy	• The extent of participation in debate/discussion etc.

UNIT 3 AIMS AND OBJECTIVES OF TEACHING MALAYALAM

UNIT 4 METHODS AND STRATEGIES IN MALAYALAM TEACHING ; TRADITIONAL AND MODERN

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To understand the Methods, approaches, strategies, modern educational theories and concepts of teaching Malayalam language and literature	 Lecture method Project method Play way method Dramatisation Dalton Plan Inductive and deductive methods Role play and simulation Problem solving method New Educational Theories and Concepts Cognitive Constructivism – Piaget and Bruner Social Constructivism – Vygotsky 	Project Short essay Open discussion Comparative note Action research Seminar on the significance of new educational theories Assignment Preparation of	 Project paper Essay Participation in discussion Action research findings Seminar paper and performance Assignment paper Prepared notes

 Multiple Intelligence Theory Emotional Intelligence Theory Critical Pedagogy - Paulo Freire Meta Cognition Integration of new theories and concepts in teaching Malayalam 	Comparative notes on new theories with the help of reference books	
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EDU – 05. 1 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS : MALAYALAM.

(Theoretical Discourses – 60 hours & CE – 30 hours)

Objectives :

- To get familiarized with the theory and practice of different language discourses
- To get familiarized with the theory and practice of different language discourses
- To get acquainted with the integration of new theories and concepts
- To get acquainted with the integration of new theories and concepts
- To understand, practice and master basic language skills communication skills etc.
- To understand the importance of resource materials for teaching and learning like text book, work book, hand book, dictionary etc.

Contents :

- Unit 1 : Introduction to Pedagogic Content Knowledge analysis -
- Unit 2 : Discourse Oriented Pedagogy
- Unit 3 : Essential Requirements of Teaching Malayalam,
- Unit 4 : Acquisition Language Skills and Micro teaching
- Unit 5 : Resources in Teaching and Learning of Malayalam

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand the meaning and practice pedagogic content knowledge analysis To get familiarized with the theory and practice of different language discourses 	 Meaning, features, and principles of pedagogic content knowledge analysis Pedagogic content knowledge analysis of Secondary and Higher Secondary level text books Discourse Oriented Pedagogy Importance of discourse in language learning and teaching The salient features of Discourse Oriented Pedagogy Functions of: Debate, Drama Seminars, Discussions, Conversations, Diary, Posters, Narratives, Screen Play, Editorials, and Travelogues etc. Process of constructing discourses 	Preparation of a comparative description on pedagogic content knowledge analysis of secondary/higher secondary level text books Preparation of discourse oriented activities for high school classes Discussion on the suitability and adaptability of discourse oriented pedagogy Preparation of discourse like narratives/ travelogues/ editorials/ posters etc.	 Student's works Prepared activities Active Participation in discussion Written documents

Unit 1: Introduction to Pedagogic Content Knowledge analysis

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand the need and significance of instructional planning To get acquainted with the integration of new theories and concepts 	 Need and significance Year Plan, Unit Plan, Lesson Plan Incorporation of new theories (MI theory, Constructivism, Critical pedagogy, Emotional Intelligence etc.) in the preparation of Year Plan/Unit Plan/Lesson Plan Absorption of the concept 'Entrepreneurship' in instructional planning Teaching of Prose, Poetry, Grammar and Composition – scope, goals, selection, methods, approaches, different forms/types 	Preparation of year plan/unit plan etc. Workshop on developing entrepreneurship in HS/HSS students through teaching Malayalam	 Innovations in planning year plan/unit plan etc. Originality of ideas/practices In the workshop Practical sessions in the classrooms Appreciation sessions

UNIT 2: PLANNING AND DESIGNING OF LESSON TEMPLATES

UNIT 3: ESSENTIAL REQUIREMENTS OF TEACHING MALAYALAM

Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1. To understand, practice and master	•	Acquisition Language Skills and Micro	Preparation of a test	•	Appropriateness of
basic language skills,		teaching	for HS/HSS students		Practicum
2. Communication skills etc.	٠	Scope and application of basic language	to find out the	•	Effectiveness of the test
		skills (Listening, Speaking, Reading and	common errors in	•	Participation of students
		writing.) in different levels of schooling with	reading and writing	•	Suitability of prepared
		special emphasis to Secondary and Higher	Malayalam		lessons
		Secondary levels			

 Common errors in reading, writing and pronouncing Malayalam. Errors in sentence construction The notion of 'EDITING' instead of 'CORRECTION' Communication Skills Micro Teaching Development of teaching skills through micro teaching 	Familiarization of books on good Malayalam usage like Thettillattha Malayalam etc. Practice sessions on development of	 Performance assessment by peers Appropriateness of presentations
 Definition and Mechanics Micro Teaching cycle Core Skills Introduction- Illustrating with examples Explaining- Questioning Stimulus Variation- Reinforcement Using Blackboard- Using teaching aids Reading -Recitation 	communication skills Preparation of lessons based on core skills Familiarization of assessment criteria Practice sessions of major teaching skills	

Unit 4 Resources in Teaching and Learning of Malayalam

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To understand the importance of	• Text Book:	Text book review	Comprehensiveness
resource materials for teaching and	• Characteristics of a good text book.	Test paper	Student Participation
learning like text book, work book,	 Resource Units and Workbooks 	rest paper	Versatility
hand book, dictionary etc.	• Teacher's Handbook.	Organization of a	
	• Periodicals, handouts, books etc.	reading corner in	
	Dictionaries, Thesaurus, Encyclopedias		

	class room	
	Preparation of audio lessons	

Referrences: for all Semesters. Prof. MK Prasad Bhashapadanavum Bhodhana shaastravum Bhashapadanavum Sidhaanthangalum Divaswapna EnganeMalayalattilBlogam Gadvarachana Gadyashilpam **Kerala Panineevam** KuttikalePadanathilSahavikkam MalavalaBhashaBodhanam MalayalaBhashadyapanam MalayalaKavithapadhanamgal MalayalaSahithyaCharithram MalayalaSahithyaCharithram MalayalaSahithyaNiroopanam MalayalaSahithyaVimarshanam Mathrubhashabhodhanam: Micro teaching **Mumbilulla**Jeevitham Nalla Malavalam NammudeBhasha Padyapadhathi sidhaantham

Kerala Shaasthrasaahitya Parishad Dr.SreeVrinda Nair N Dr.SreeVrinda Nair N GijubhaiBhadeka **Baburaj PM** Dr.CK Chandrasekharan Nair CV VasudevaBhattathiri **AR RajarajaVarma PK Abdul Hammed Karasserv** CV VasudevaBhattathiri Dr.KSivarajan K Sachidanandan Dr. KalpattaBlakrishnan **PK Parameswaran Nair** Dr. PanmanaRamachandran Nair Dr. SukumarAzheekkode

Allen,D& Ryan, K J Krishnamoorthi CV VasudevaBhattathiri EMS Namboothiripad Dr. Ravisankhar S. Nair DC Books Kottayam DC Books Kottayam National Book Trust DC Books, Kottayam Kerala Bhasha Institute Kerala Bhasha Institute DC Books, Kottayam DC Books, Kottayam Kerala Bhasha Institute Calicut University Mathrubhoomi Books Kerala Bhasha Institute Sahithya Academy Current Books, Kottayam DC Books, Kottayam

Adison Wesley, London DC Books, Kottayam DC Books, Kottayam Kerala Bhasha Institute Kerala Bhasha Institute ParivarthanonmughaVidhyabhyabyasam PravanathakalumReethikalum. PrayogikaVyakaranam PurogamanaVidyabhyaasachinthakal Thettillatta Malayalam TirakkadhaRachana – KalayumSidhanthvum Toto Chan ShaasthrasaahityaParishad Tuition to Intuition Ucharanamnannavan VidhyabhyasathilViplavam Vidyabhyasachinthakal VidyabhyasaParivarthanattinoruAmugham VyakaranaMitham Guru NithyachaithanyaYathi Bindhu,C.M Irinjayam Ravi PV Purushothaman Prof. PanmanaRamachandran Nair Jose K Manuel TetsukoKoriyoNagi

Dr. KN Anandan Dr.VRPrabodhachandran Osho AsisTharuvana

SheshsgiriPrabhu

NarayanaGurukulam, Varkala Scorpio, Calicut

Kerala ShaasthrasaahityaParishad DC Books, Kottayam Current Books, Kottayam National Book Trust, Kerala

Transcend, Malappuram Kerala Bhasha Institute Silence, Kozhikkode Olive, Kozhikkode Kerala ShaasthrasaahityaParishad

Online Resources http://ml.wikipedia.org https://www.facebook.com/groups/144983732246185 https://www.facebook.com/groups/paribhasha http://www.facebook.com/groups/paribhasha http://malayalashityaakademi.org/ http://malayalambloghelp.blogspot.com/ http://malayalambloghelp.blogspot.com/ http://malayalambloghelp.blogspot.com/ http://malayalambloghelp.blogspot.com/ http://malayalam.kerala.gov.in/index.php http://malayalaaikyavedi.blogspot.in/2015/04/blog-post_61.html http://www.facebook.com/pages/മലയാളപഠനബോധന-സഹായി/628705850559130?ref=hl http://bloghelpline.cyberjalakam.com/ http://blogsahayi.blogspot.in/

EDU -04.2 : THEORETICAL BASE OFENGLISH EDUCATION.

(Theoretical Discourses – 60 hours & CE – 30 hours)

Objectives :

The student teacher :

- Familiarizes with the nature and purpose of language teaching.
- Grasps problems related to learning a Second Language.
- Draws implications of different theories of learning for
- Second Language instruction.
- Gets an awareness of Approaches, Methods and Instructional Strategies for
- teaching English.

Contents

Unit 1:General Introduction to English Language Teaching and Learning Unit 2:Nature and Development of English Language Unit 3:Aims and Objectives of Teaching English Unit 4: Methods and Strategies of Teaching English

Unit 1: General Introduction to English Language Teaching and Learning (Duration: 25 hrs)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1. 2.	Student teacher familiarizes with functional plane of teaching and learning and the divergent roles expected to be played as Language Teacher Grasps the current status of English in India and its	•	Perspectives of English Studies -Significance in the Global context -World Englishes -English as a skill subject Teaching ESL, EFL, First Language [L ₁] and Second Language [L ₂] -Bilingualism -Code switching Teaching of English in Ledie	Intro lectures on ELT in India Makes student recall qualities of teachers whom they admire/ remember	•	Contribution in debate on need of English as an International Language Performance in classroom discussions regarding teacher role Entry recorded in Reflective
		•	Teaching of English in India	Narration, anecdotes		

importance	 -Three Language Formulae – Mother tongue Interference -English as a Link Language Language teacher competencies-Roles and Responsibilities of English Teacher-mentor, facilitator, scaffolder, reflective practitioner 	of lives of teachers who served as role models Views films related to teachers/ teaching Reads stories about lives of great teachers Web-based resources	journal
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Unit 2:Nature and Development of English Language (20 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Gathers knowledge about meaning, nature and characteristics of language and select theories of language teaching and learning 	 Language and culture, Language and society, Language and media(print and digital) Basic concepts in Linguistics- Morphology, Phonology, Syntax, Semantics Psycho-linguistic Theories Behaviourism- imitation, repetition, reinforcement Cognitivism -Schema Constructivism-ZPD-Scaffolding, Mental Processes Chomsky-LAD-Universal Grammar Krashen's Hypotheses Multiple Intelligence Neurolinguistic Programming 	Brain storming Seminar Presentations Quiz Peer Tutorial Discussion Invited Talks	 Examine level of participation Role performance analysis Evaluation based on documentation

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Develops an understanding of the principles of language teaching 	 Utilitarian aim, Socio-cultural aims Objectives of Teaching English Principles of Language Learning Ideology of teaching English in Indian classrooms; Addressing learner sensibilities and learner abilities in language learning; Developing communicative competence 	Brain storming Quiz Discussion Assigned readings from the works of theorists Group discussion	 Examine level of participation Evaluation based on documentation Examine student report Address the level of pupil involvement in Group Discussion

Unit 4:Methods and Strategies of Teaching English (25 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes with traditional approaches and methods of language teaching Updates Knowledge of current approaches and methods Develops the ability to choose the most suitable method for a given content or group of learners 	 Approach, Method, Technique Grammar Trans. Meth, Bilingual Meth, Direct Meth. Audio-lingual Meth, SOS Approach, Communicative Approach Humanistic approaches—TPR, Silent Way, CLL, Suggestopaedia Task Based Language Teaching 	Demonstration of steps followed in different methods Watching video recordings - Accessing Online input on the topic Co-relating class room activities	 Evaluate the competence to compare and contrast Monitor the ability to distinguish between similar concepts, phases

- Clarke, Stephen (etal) (2010) Becoming an English Teacher. Sage,Los Angeles.
- Cox, Carole. (2002) Teaching Language Arts. Allyn & Bacon, Boston.
- Davis, Philip Powell and Paul Gunasekhar. (2013) English LanguageTeacher Education in a Diverse Environment. British Council.
- Doff, Adrian. (2008) Teach English : A Training Course for Teachers Cambridge University Press.
- Graddol, David. (2010). English Next India: The Future of English in India.British Council.
- Hedge, Tricia. (2000). Teaching and Learning in the Language Classroom.Oxford University Press.
- Jack C. Richards, and Theodore S. Rodgers. (1986) Approaches and Methodsin Language Teaching. Cambridge University Press.
- Jack C. Richards, and Anne Burns. (2009) The Cambridge Guide toSecond Language Teacher Education. Cambridge University Press.
- Norton, Donna E (et al.) (1999). Language Arts Activities for Children.Prentice Hall, New Jersey.
- Reyes, Sharon Adelman. (et al.) Constructivist Strategiesfor Teaching English Language Learners. Corwin Press.
- Seeley, John (2003) The Oxford Guide to Writing and Speaking.Oxford University Press.
- Wallace, Michael J. (2006) Study Skills in English. Cambridge University Press.
- Current Perspectives in Teaching the Four Skills: by ELI HINKEL Seattle University Seattle, Washington, United States TESOL QUARTERLY P 110-131

Online resources:

- Activities for developing skillshttp://www.teachingexpertise.com/articles/activities-for-developing-skills-1106
- Current trends in Teaching Listening and Speaking by Jack. C. Richardswww.oup.com/elt
- Learning Brain-based wayhttp://languagelab.com.sg/faq.php
- The Essentials of Language Teachinghttp://www.nclrc.org/essentials/index.htm
- Teaching English to Speakers of Other Languages by M.S. Thirumalai.http://www.languageinindia.com/april2002/tesolbook.html
- Task-Based Language Teaching and Learning: An Overviewhttp://www.asian-efl-journal.com/Sept_06_ro.php
- BBC World Service: Learning English http://www.bbc.co.uk/worldservice/learningenglish/index.shtml
- Dave Sperling's ESL Café http://www.eslcafe.com/

FRET (Free Resources for English Teaching) http://www.english-teaching.co.uk/ Web English Teacher http://www.webenglishteacher.com/

EDU. 05.2 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS: ENGLISH

(Theoretical Discourses – 60 hours & CE – 30 hours)

Objectives :

The student teacher:

- Familiarizes with the different dimensions of Pedagogic Content Knowledge.
- Develops an understanding of objectives and specifications for teachingEnglish as a Second Language.
- Familiarizes the procedure and steps for planning different kinds of lesson.
- Analyzes Secondary Course Books and identifies suitable strategies fortransacting content.
- Explores ways of designing appropriate learning aids.
- Identifies suitable strategies for assessment.

Contents :

Unit I	: Introduction to Pedagogic Content Knowledge (PCK)
Unit II	: Planning and Designing of Lesson Templates
Unit III	: Essential Requirements for Teaching of English
Unit IV	: Resources in Teaching and Learning of English

Unit 1: Introduction to Pedagogic Content Knowledge(PCK) (25 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. Develops an understanding of	Pedagogic Analysis	Direct instruction	• Participation in task.
pedagogy and its principles	Scope, Principles and Objectives	F · · O	• Peer assessment of
2. Familiarizes with Taxonomy of	Pedagogic Content Knowledge	Engaging in Group	presentations
Educational Objectives	Scope in teaching and learning	discussion	
3. Develops an understanding of	Objective-based Instruction	Individual and	

types	s of thinking	Bloom's Taxonomy: Specifications,	collaborative tasks	
4. Famil	 iliarizes with the nature of a rse Book • 	Process skills & Thinking Skills (Critical and Creative), Problem Solving Content Analysis of State, CBSE and ICSE Syllabus - Themes, Language elements, Sequencing of content, Deficiency in content Discourses- slogans, placards, notices, reports, diary entry, messages -script of a speech, letter, posters, advertisement, write up, conversation, profile etc.	Critique of different Course Books	

Unit 2: Planning and design of lesson templates (25 hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes the procedure and steps for planning different kinds of lesson. Analyzes Secondary Course Books and identifies suitable strategies for transacting content. 	 Planning- Relevance, mode and Design-Year Plan-Unit Plan - Lesson Templates Components and Strategies for teaching: Prose- Intensive and Extensive reading; Skimming and Scanning, Silent and Oral reading, Pre-reading and Post-reading Poetry- Appreciation, Deviant language of Poetry Grammar- Formal and Functional, Inductive and Deductive methods, Use of Substitution Tables Vocabulary - Content and Function words, Active and passive vocabulary, Techniques and Strategies for enriching vocabulary 	Workshop mode to identify Objectives, Specifications and appropriate testing mechanisms Critiquing Syllabus Grids in Course Books Intro. lectures on thinking skills Demo. by expert Preparation of Group Lesson Plan/Teaching Manual	 Ability to develop suitable Lesson Plan/ Teaching Manualfor different content Phased monitoring Performance in Workshop Checking abilityto frame appropriate Objectives andSpecifications

Practice under
supervised guidance.
Task-directed
discussion and
Applied exercises

Unit 3: Essential requirements for teaching of English

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes with different teaching skills 	 Analysis and Practice of Language Skills- LSRW-Identification and Practice of Language Elementsstructure, vocabulary etc. Core Skills of Teaching- Introduction Illustrating with examples Explaining Questioning Stimulus Variation Reinforcement Using Blackboard Using teaching aids Response Management-Classroom Management Reading -Recitation ICT skills Micro Teaching-Concept, Phases and Cycle 	Peer observation using Schedule Videography for reflection Supervised guidance	 Use of Observation schedule Reflection write- up submitted following viewing ofvideo recordingof own teaching

Unit 4: Resources in teaching and learning of Engl	lish (20 hrs)
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Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. Familiarizes with ways of	• Teaching aids- design and development	Display of specimen	• Peer comment
employing different aids for	Learning support resources	aids	Guided supervision
teaching different content	• Pictures		
2. Explores ways of designing	• Charts	Guidance for	
appropriate learning aids.	Flash Card	preparation of aids	
	Models	for different content	
	 News paper and Journals -Documentary 	in workshop mode	
	Audio-Video Clips	_	
	Interactive Board		
	LCD Projector		
	• Internet		
	Language Lab		

References

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- Sherman, J. (2003) Using Authentic Video in the Language Classroom. Cambridge University Press.
- Shrum, Judith L and Eileen W. Glisan.(2000). Teacher's Handbook: Contextualized Language Instruction, H.H Heinle & Heinle, Thomson Learning Australia 2nd Ed.
- Wajnryb, Ruth. Classroom Observation Tasks. Cambridge University Press.

Online references

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- Classroom Management : http://www.teachingideas.co.uk/more/management/contents.htm, http://www.educationworld.com/a_curr/curr155.shtml
- Language skills: http://www.apsacssectt.edu.pk/download%20material/training%20deptt/workshop%20material/four_skills_of_language.pdf
- Learning Support Centres in Higher Education (LSCHE): http://www.lsche.net/?page_id=608
- Microteaching: https://uwaterloo.ca/centre-for-teaching-excellence/support-graduate-students/fundamentals-university-teaching/microteachingdetails
- Pedagogical Content Knowledge: http://mkoehler.educ.msu.edu/tpack/pedagogical-content-knowledge-pck/
- Resource Mapping: file:///C:/Users/Reliance/Downloads/ResourceMappingExampleWisconsin.pdf
- Structure (function) words versus content words: http://homepage.ntlworld.com/vivian.c/Words/ContentStructure.htm

EDU - 04.3: THEORETICAL BASE OF HINDI EDUCATION

HOURS OF INTERACTIONS: 60(Instructions) + 30(Activities/Processes) = 90 Hrs

Objectives

- To mould the prospective teacher with an outlook of teaching profession
- To equip the prospective teacher to uphold the professional spirit in diverse angles
- To familiarize with the features of Hindi education, its aim, objectives and different
- instructional methods and techniques suited for teaching Hindi
- To acquire effective instructional practices of Hindi education
- Draws implications of different theories of learning Hindi

CONTENTS

- Unit 1 : General Introduction to Hindi Teaching and Learning
- Unit 2 : Nature and Development of Hindi Language
- Unit 3 : Aims and Objectives of Teaching Hindi
- Unit 4 : Methods and Strategies of Teaching Hindi

Unit : 1 General Introduction to Hindi Teaching and Learning (12 Hrs + 6Hrs)

	Learning Outcome		Major concepts		Strategies & Approaches		Assessment
1.	Student teachers acquaint with the	٠	Importance of language – Definition –]	Meaningful verbal	•	Case analysis presentation
	importance and bases of language		Philosophical, Psychological, Sociological]	presentation	•	Contribution in debate on
2.	Grasp the process of teaching-		bases of languageLanguage and human,]	Brain storming		qualities of teacher and Hindi as
	learning and gain an outlook of		language and society, language and]	Makes student recall		second language
	teaching profession		gender, Universal Grammar—Noam	(qualities of teachers	•	Performance in classroom
3.	Analyze learning environment for		Chomsky, Neuro- linguistic programming,	,	whom they admire		discussions
	Hindi instruction		Importance of Hindi language, Hindi]	Narration, anecdotes		
			language and its practice		of lives of teachers		

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4.	Adapt the changing structure of	•	Teaching and learning-Definition-Teaching	who served as role	
	the concept of classroom		profession and service, Principles and	models	
	instruction		Maxims of teaching Factors determine	Views films related	
			effective instruction, Classroom Interactions:	to teachers	
			Teacher-pupil, Pupil-pupil, Pupil-		
			society, Pupil-learning resources, learning		
			experience, Interdependence of teaching-		
			learning, Teaching-learning process		
		•	Continuing Professional Development		
			(CPD): Teacher as professional Duties and		
			responsibilities; various roles: knowledge		
			worker, facilitator, scaffolder, mentor, social		
			engineer, counselor, techno pedagogue,		
			reflective practitioner		
		•	Problems and difficulties confronted by		
			teachers and learners in Hindi instruction		
		•	Learning environment		
		•	Class room as a social laboratory, Classroom		
			without walls(CWW),Blending of		
			synchronous and asynchronous mode of		
			learning, Virtual learning environment(VLE)		
			<i>e,eee</i>		
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Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarize with the unique features of Hindi language Compete with communicating Hindi Familiarize with different reports and commissions Understand the scope, changes and developments of Hindi education Equip to integrate essential inter disciplinary attributes in Hindi education 	 Special features and characteristics of Hindi language and its script Devanagiri lipi in standardized form(MANAK LIPI)—Hindi as national,official and link language Developing communicative competence Three language formula, Reports and commissions— Kothari commission, NPE 1986, NCF 2005, KCF2007, POA 1992 Hindi in national integration, values attained through Hindi education Spread of Hindi in Kerala: Pre independence and post independence period, Scope and job opportunities in learning Hindi, Recent changes and developments of Hindi education in Kerala, Support of media in the development of Hindi in the context of Kerala Hindi education: Meaning, Definitions and Nature Modernization of Hindi instruction through technological advancement Interdisciplinary approachin Hindi Education : Correlation of Hindi education with other subjects – Science, Social Science and other languages like Malayalam, English and Sanskrit 	Discussion Meaningful verbal learning Participatory Approach Open forum discussion Co- operative learning Use of web and Library resources	 Address the level of involvement in group discussions Assessment of MANAKLIPI Assessment of assignments,projects, seminars Prepare a brief sketch of NCF and KCF with special reference to language education

Unit: 2 Nature and Development of Hindi Language (10 Hrs + 7 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Generate knowledge about the aims and objectives of teaching Hindi 	 Aims of Teaching Hindi: linguistic,literary ,utilitarian and socio-cultural General objectives of teaching Hindi, 	General discussion Demonstration Analytical study	 Assessing the level of involvement in class activities Comparative analysis - Bloom's
2. Endow with the significance of taxonomy of instructional objectives in Hindi education	Objectives of teaching Hindi at different levels(primary,secondary and higher secondary)	Group investigation Focus group discussion	taxonomy of Instructional objectives traditional with revised one
 Familiarize with varied psychological and learning theories 	 Objectives of NCERT, NCTE Framing curricular objectives in teaching Hindi Role of Information and Communication Technology (ICT) in Hindi learning Bloom's taxonomy of Instructional objectives - Revised form: – (Anderson & Krathwohl) with special reference to 'Create' objective -Technology integrated taxonomy – Collins et al Higher Order SkillsAnalysis, Synthesis, Evaluation and its applications Concepts of Bruner, Piaget, Howard Gardner, and Vygotsky Theories, Implications of Constructivism,Social Constructivism,Problem Based Instruction, Mental Process, Multiple Intelligence, Emotional Intelligence, HolisticApproach,Motivation in learning,Brain Based Learning, Critical 		 Monitor the ability to compare & study critically on various theories, methods and approaches

UNIT : 3 Aims and objectives of Teaching Hindi (18 Hrs + 7 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Compete with different instructional methods suited for teaching Hindi 	• Phases of teaching ,Teaching tactics, Techniques of teaching – Drill, Brain storming, Role play, Review, Dramatization,	Dramatization Debate	 Report presentation & verification Monitor the ability to
2. Become proficient in selecting most appropriate teaching methods,techniques and strategies	 Buzz session, simulation, Quiz session Different methods and approaches – Direct method, Indirect method (grammar - 	Role Play Buzz session	distinguish between similar concepts, phases
in varied context and content3. Familiarize with various forms of	translation), Structural method, Inductive- deductive method, Play way method, Activity	Quiz session	
discourses for language learning	method, Project method, Heuristic method, Montessori method, Kindergarten method, Basic Education, Dalton plan,Integrated	Problem solving method	
	 Approach, Interactive approach, Lecture Method, Socialized methods : Group discussion, seminar, debate, symposia, workshop, Problem solving method, Case study, Analytical and Synthetic method, Humanistic Approaches,Task based language teaching,Language games, computer-assisted instruction, programmed instruction, instructional module, simulated teaching, audio-video lessons, use of audio-visual aids, Edusat, video conferencing, online resources Importance of Language lab in Hindi Instruction Instructional strategies – Co-operative and 	Project method Comparative & critical study on various methods and approaches Learning through various discourses	

UNIT 4: Methods and Strategies of Teaching Hindi (20Hrs + 10Hrs)

Collaborative learning strategies	
• A critical study of these methods for teaching Hindi	
• Discourse oriented learning: Aims and different methods of teaching various discourses:	
Prose,Poetry,grammar,letters,poster,write- ups,reports,etc,Communicative Approach: Creative Writing	

References – for all Semesters.

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- Acharya Sitharan Chaturvedi, Bhasha Ki Shiksha
- Dr.G.C.Bhattacharya, Adhyapak Shiksha, Vinod Pustak Mandir, Agra
- Dr.Bholanath Tiwari,Hindi Bhasha Shikshan
- Dr.Bholanath Tiwari,Hindi Bhasha Ka Saral Vyakaran
- Dr.Satyanarayan Dube,Shikshan Vidhiyam Aadharbhhoth Thatv
- Dr.ShailendraBhooshan,Shikshan Adhigam Ke
- Bhai Yogendrajith, Hindi Bhasha Shikshan, Agrawal Publications, Agra
- Dhirendra Varma, Hindi Bhasha Aur Lipi
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- Kamatha Prasad Guru, Hindi Vyakaran
- Kesav Prasad, Hindi Shikshan
- Lalji Ram Shukl,Shiksha Manovigyan
- Dr.K.P.Pandey, Shiksha mem Kriyatmak Anusandhan

- Dr.S.S.Mathur, Shikshan Kala Eevam Naveen Padhathiyam, Agrawal Publications, Agra
- Dr.S.N.Mukherji,Rashtra Bhasha Ki Shiksha
- Dr.Naresh sharma, Shikshan Ki Avasthayem. Vigyan Bharathi, Gaziabad
- Dr.Ramshakl Pandey, Hindi Bhasha Shikshan
- Dr.Ramvilas Sharma, Rashtra Bhasha Ki Samasya
- Dr.Sreedharananda Mukherji,Rashtra Bhasha Ki Shiksha
- Dr.Sitaram Jaiswal, MahendraPal Sharma, Shiksha Ke Thatwik Sidhanth
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- Raveendranath Sreevastav, Bhasha Shikshan, Vani Prakashan, New Delhi
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- Sadde,Rashtra Bhasha Ka Adhyapan
- B.L.Vats, Hindi Shikshan, Agrawal Publications, Agra
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- Devanagari Lipi Tadha Hindi Varthani, Kendriya Hindi Nideshalay, Hindi
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- Text Books in Hindi,Kerala State Syllabus,SCERT
- National Curriculum Framework, NCERT (2005), NewDelhi
- Kerala Curriculum Framework, SCERT, Thiruvananthapuram
- Report of Education Commission (Kothari Commission).Govt.of India
- Report of the Official Language Commission

Online Resources :

- http://ask.metafilter.com/149992/What-are-the-best-resources-for-learning-Hindi
- http://www.ala.org/aasl/standards-guidelines/best-websites/2014s
- http://www.teachingexpertise.com/articles/activities-for-developing-skills-1106
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- http://esl.fis.edu/teachers/support/teach.htm
- Koehler, M. J., & Mishra, P. (2009), Contemporary Issues in Technology and Teacher Education.9(1), 60-70

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- www.google.com

EDU – 05.3 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – HINDI.

(Theoretical discourses-60 & CE - 30 hours)

Objectives

- To understand the key aspects involved in systematic PCK analysis
- Equip to plan the instruction effectively and to design suitable lesson templates, teaching-learning materials and instructional resources
- Attain the ability to develop and practice different teaching skills
- Achieve the ability to develop a pedagogic view point

Contents

Unit: 1 Nature and Scope of Pedagogical content knowledge analysis

Unit: 2 Instructional Planning and Designing Lesson Templates

Unit: 3 Essential Requirements of Teaching Hindi Education

Unit : 4 Instructional Resources in Teaching and Learning of Hindi

Unit : 1 Nature and Scope of Pedagogical Content Knowledge Analysis (15 Hrs +9 Hrs)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	Understand the key aspects	•	Pedagogical content knowledge analysis	Text book analysis	•	Pedagogic Content Knowledge
	involved in systematic PCK analysis		(PCK) Meaning, Scope, Features of PCK analysis, significance of PCK analysis in	Individual and Collaborative tasks	•	analysis presentation Text book analysis as
2.	Become capable of establishing		Hindi disciplineInter-relationship of	Direct instruction		individual/group work
	relationship between pedagogic		Content Knowledge, Pedagogic Knowledge	Critique of different		
	and content knowledge analysis	•	Scope and Challenges of PCKA in	Course Books		
3.	Develop skill in PCK analysis of	•	Knowledge generalization and			
	text books and hand books	•	transaction of Hindi			
		•	PCK analysis of text books and hand books			
			in Hindi of Std VII to std XII			

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
Develop skills in systematic instructional planning and designing lesson templates	 Planning and designing different lessons, Instructional planning-its importance Phases Types - Year plan, Unit plan, Resource unit, Lesson Templates Procedure, steps and format for the preparation of year plan, unit plan and lesson template Designing lesson templates in Hindi Designing e-lesson templates in Hindi Preparation of teaching-learning materials in Hindi and other resources to be used in classroom practice 	Descriptive method Group discussion Demonstration method Co-operative learning Demonstration by experts Preparation of various Lesson Plan/Teaching Manual in small groups	 Ability to develop suitable Lesson plan/Teaching Manual Assessing the ability to frame appropriate Objectives and Specifications

Unit: 2 Instructional Planning and Designing Lesson Templates (16 Hrs + 6 Hrs)

Unit: 3 Essential Requirements of Teaching Hindi Education (14 Hrs + 7 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Develop teaching skills through micro teaching practices 	 Essential requirements – Teaching Competencies and teaching skills Micro Teaching- Definitions, Principle and 	Experiential learning Reflective practices Demonstration	• Assessment of writing Micro teaching lesson notes/plans and schedule

Unit : 4 Instructional Resources in Teaching and Learning of Hindi (15 Hrs + 8 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Understand the inevitable role of instructional support for effective instructional practices Generate skills in constructing and using different instructional aids and resources 	 Learning aidsPreparation of learning aidsmake use of different types of audio-visual aids scope of audio-visual aids for Hindi instruction:hands-on operational facility of modern learning supporting gadgets Instructional Resources: textbook, workbook, handbook, source book Resource Mapping Instructional aids: classification of learning aids: projected, Non-projected and activity aids. Hands on experience: Computer, LCD Projector, Interactive white board and multi media Scope of art education in teaching Hindi 	Guided observation Illustration Demonstration General discussion Workshop Displays Demonstration	 Text book analysis Workbook preparation Handling of various instructional aids Guided supervision

EDU - 04.4: THEORETICAL BASE OF SANSKRIT EDUCATION

[Theoretical discourses-60Hours+ CE -30 Hrs]

OBJECTIVES :

- To develop perspectives on the study of Sanskrit in the global context
- To acquire theoretical knowledge and skills in the learning of Sanskrit language
- To develop an understanding of the nature of language system and to understand the role and importance of Sanskrit and its cultural background
- To analyze and prepare a report on the learning of Sanskrit at school level
- To familiarize with the psychological theories and its application of teaching Sanskrit
- To understand Taxonomy of educational objectives [Bloom] with special reference to Sanskrit
- To understand the aims and objectives of Sanskrit language teaching
- To compare the curriculum of NCERT with SCERT
- To understand about the methods and strategies of teaching Sanskrit and to understand the theoretical bases of major approaches

CONTENTS :

- UNIT I: GENERAL INTRODUCTION TO SANSKRIT LANGUAGE TEACHING AND LEARNING.
- UNIT II: NATURE AND DEVELOPMENT OF SANSKRIT LANGUAGE.
- UNIT III: AIMS AND OBJECTIVES OF TEACHING SANSKRIT.
- UNIT IV: METHODS AND STRATEGIES OF TEACHING SANSKRIT

Learning Outcome		Major concepts	Strategies & Approaches	Assessment
 To develop perspectives on the study of Sanskrit in the global context. To acquire theoretical knowledge and skills in the learning of Sanskrit language. 	in th subje in Com Seco • Teac Com Teac Teac Profe work Moti	pectives of Sanskrit studies-Significance he Global context. Sanskrit as a skill ect. Development of Sanskrit Education India. Reports of First Sanskrit unission, Krishnawarrier committee, ond Sanskrit Commission. thing SSL, SFL. Language Teacher apetencies-Ability to develop skills- thing its nature-Learning its nature- thing as a Profession, Teacher as a essional-Guide, Friend, Knowledge ker-Facilitator-Scaffolder-Mentor- ivator-Social Engineer-Reflective titioner etc.	Meaningful Verbal expression. CAI Explanations and Narrative Demonstrations etc. Develop suitable environment for communication. Supply materials for loud reading. Comprehensions and paragraphs. Written competitions. Listening stories and poems, summarise and recite. Comparisons with the learning of English as second language, Malayalam as first language.	 Portfolio and performance. -Analyze the performances- Participant observation- Individual assessment-Prepare power point presentation in the given topic. Participant observation. Observation. *CE-Seminar-5-marks.

UNIT I : General Introduction To Sanskrit Language Teaching And Learning [14Hours+6Hours]

Presentation.	
Lecture method.	
Explanation.	
Narration.	
Group discussion and Presentation.	

UNIT II: NATURE AND DEVELOPMENT OF SANSKRIT LANGUAGE[12Hours+7Hours]

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To develop an understanding of the nature of language system and to understand the role and importance of Sanskrit and its cultural background. 	• The importance of Sanskrit language and literature. Sanskrit literature an embodiment of high intellect. Sanskrit the language of Indian culture. Sanskrit the speech celestial- Historical- Archeological-and	Meaningful verbal expressions. Lecture cum discussions. Narrative expressions.	 Role performance. Individual assessment. References. Presentation of report and Participant observation.
 To analyze and prepare a report on the learning of Sanskrit at school level. To familiarize with the psychological theories and its application of teaching Sanskrit. 	 anthropological research-Contribution of Sanskrit to various subjects. Bases of modern vocations-Learning Sanskrit –Its significance-Historical background-World language- Cultural language-Link with other languages. Problems related to Sanskrit teaching at School level. Psycho linguistic theories and its principles in teaching Sanskrit with special reference to 	Collection of Literature. Questionnaire to teachers and students. Lecture cum discussions.	 Observations. Analyze the performance-Power point presentation. Participant observation- CE-Practicum-10 marks.

Behaviourism –imitation,repitation,re-	-Presentation-
inforcement-[Skinner-Pavlov-Thorndike]- Cognitivism-Schema- [Bruner-Piaget] – Constructivism ZPD-Scaffolding, Mental processes [Vygodsky –Gardener]-Chomsky- LAD-Universal grammar -Krashens Hypotheses-Multiple intelligence-Neuro- linguistic programming.	Group Discussions.

UNIT III AIMS AND OBJECTIVES OF TEACHING SANSKRIT[14HOURS+10HOURS]

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand Taxonomy of educational objectives [Bloom] with special reference to Sanskrit. To understand the aims and objectives of Sanskrit language teaching. To compare the curriculum of NCERT with SCERT. 	 [revised] with special reference to Sanskrit Aims and objectives of Sanskrit language teaching at different levels-Academic schools- Oriental Sanskrit schools-Higher secondary-Second language and optional Sanskrit- [Primary Secondary, and High school levels].Quality of Sanskrit teaching Pre-class, In class, and after class. Comparison of the objectives and learning of Sanskrit in NCERT Curriculum with SCERT 	Discussions- Lecturing. CAI cum Discussion. Lecture method and Collaborative learning- Assignment and Discussion. -Analyze the peer instruction- Narrative expression and self experience-	 Analyze the Group discussion and Participant observation. Participant observation. Role performance. Participant observation. Oral assessment. Discussion Lesson Templates-5- 15marks. Demonstration-3 Criticism-3 Observation of model video Lessons-2-and reporting-10 marks.

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand about the methods and strategies of teaching Sanskrit and to understand the theoretical bases of major approaches. 	 General principles of language teaching. Maxims of teaching. Approach, Method, Technique- -SOS Approach, Communicative approach. Methods of teaching Sanskrit. Traditional method. Bhandarkar method etc. Methods of teaching Prose, Poetry, Grammar and Drama. Modern methods such as Bilingual method ,New method or Text book method, Substitution method, Army method, Audio lingual method, Interactive methods/strategies such as Tutorial, Seminar ,Role-play, Group discussion-Brain storming, Buzz-group, Mind mapping. Visual teaching strategy, Computer assisted teaching and learning, Case-study . 	Meaning full verbal expressions- Lecture method. Group Discussions. Presentation.	 Role performances. Observation. Participant observation Roll performance. CE-Test-5Marks.

UNIT IV METHODS AND STRATEGIES OF TEACHING SANSKRIT[20HOURS+7HOURS]

REFERENCES : (Common to EDU – 04, 05, 09, 10, 13 & 15)

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- Linguistics An introduction to language and Communication, Advian Adkmajian and others New Delhi.
- The teaching of language a practical approach, B.N.Safaya.

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- Audio-visual methods in teaching, Dale 1961.
- National Curriculum Frame Work, NCERT (2005) New Delhi.
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- Practical Sanskrit grammer, PRD Sarma.
- Tarkasamgraha of Annambhatta.
- First book of Sanskrit and second book of Sanskrit, Bhandarker.
- A Sanskrit grammer for students, A Macdovel.
- Kuvalayanandam Appayyadikshitha.
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- -Rasa and Dvani, Dr.A..Sankaran.
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- -Sanskrit Nirukta ,N.K.Rajagopal.
- -The teaching of Sanskrit Prof. K. Ramavarmaraja.
- -The teaching of Sanskrit, Pro.G.Sahadevan.
- -Laghusamskritam,Dr.K.G.Poulose.
- -On teaching poetry –Haddon.

- -Samsritadyapana-Visvanathasarma.
- -Samskritasiksha Ramasuklapandya.
- -The teaching of Sanskrit-D.G.Apte.
- -Language in Education,Omkar N Koul.
- -Sanskrit and ssscience, S.S. Janakikuppu.
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- -Samkritasahithyavimarsanam-Dr.NVP.Unnithiri.
- -Keraleeya samskritadyapanavidya-Dr. K.R.Harinarayanan.
- -AUDIO AND VIDEO REFERENCES.
- A work book for Sanskrit learners: DPI 2012 General Education.
- Abyasamanjary :CD by DPI
- Vakyamretham :14DVD by DPI.
- Prayogaparichayam :2 CD-DPI.
- Sanskrit related Websights.

EDU – 05.4 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS-SANSKRIT

[Theoretical discourses - 60HOURS+ CE -30HOURS]

OBJECTIVES :

- To acquire knowledge in analysising the pedagogic and the linguistic content of Sanskrit Text Books.
- To prepare and design lesson templates of Sanskrit prose poetry, drama. Alenkara and vretta based on the curriculum and text books of Sanskrit .[8-12].
- To develop essential skills in LSRW and core skills based on micro Teaching.
- To appreciate the use of audio-visual aids, ICT, internet and Technology

CONTENTS:

- UNIT-I INTRODUCTION TO PEDAGOGIC CONTENT KNOWLEDGE [PCK]
- UNIT-II PLANNING AND DESIGNING OF LESSON TEMPLATES.
- UNIT-III ESSENTIAL REQUIREMENTS FOR TEACHING OF SANSKRIT
- UNIT-IV RESOURCES IN TEACHING AND LEARNING OF SANSKRIT

UNIT-I INTRODUCTION TO PEDAGOGIC CONTENT KNOWLEDGE[11 HOURS+6 HOURS]

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquire knowledge in analysising the pedagogic and the linguistic content of Sanskrit Text Books. 	 Pedagogic Analysis-scope, Principles and objectives. Pedagogic content knowledge-Scope in teaching and learning. Content analysis on the basis of Blooms taxonomy. Concept of objective based instruction and Evaluation. Instructional objectives ,specification, Issue based learning and Outcome based Learning in Sanskrit. 	Presentation- Meaning full verbal expression- Group discussions. Presentation- -Presentation- Grammar Translation	 -Role performance- Role performance- Analyze and Participant observation Observation. Observation. Role performance. Subject associated activity— 5Marks.

 Analysis of Linguistic content synonymous, Anonymous, Plural words, ideoms, and p 	Gender, Singular,	
 Grammar ,Subanthas Thing Tenses-and moodes [प्रकार] 	anthas-Cases-	
study of Structure of senten Malayalam with Sanskrit.	- 1	

UNIT-II PLANNING AND DESIGNING OF LESSON TEMPLATES[20HOURS+12HOURS]

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To prepare and design lesson templates of Sanskrit prose poetry, drama. Alenkara and vretta based on the curriculum and text books of Sanskrit .[8-12]. 	Pedagogic analysis of lesson – meaning and principles of content analysis – subject matter and language learning experiences – evaluation –Importance of planning in Education. Different approaches in Lesson planning. [Herbartian, Constructivistic, Issue based,Out- come based]- lesson planning- objective based and outcome based Lesson plans – Year plan- unit-plan-Daily Lesson plan- Lesson Templates [Prose [Stories, drama. Essays, Conversations, Narrations, etc. Poetry, Grammar, Alenkara , and Vretta.] - model class-	Lecture cum discussionmeaning full verbal expression group discussion – presentation – Document analysis and peer instruction – -makes trainee recall the method of teaching – Presentation of model lesson plans. Discussion.	 Observation. analysis in group discussion- participant observations optional level focused group discussion – examining the level of participation- Performance in class room discussions teaching performance in classroom discussion teaching performance entry recorded –in reflective journal- Practical discussion lessons [five] demonstrations[three] Criticism lessons.[Five]

Demonstration cla	ss.	observation of video lesson and
Expert Lessons-Vi	deo	reporting
observation and reporting.[any two	1	

UNIT III ESSENTIAL REQUIREMENTS FOR TEACHING OF SANSKRIT[16HOURS+6HOURS]

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To develop essential skills in LSRW and core skills based on micro Teaching. 	 Observation and practice of Listening s LSRW Meaning of micro teaching – objectives of micro teaching – Meaning and concept. Concept-Phases and Circles -skill based practice – 7 skills [core skills.] stimulus variation -questioning re-inforcement Using blackboard. Introduction. Explaining. Using teaching aids.and Three any other skills. One skill per student,include skills for modern classrooms. 	Lecture method demonstration and practice. Group discussion- observations- presentation – narrative expression session in small groups – Makes trainee recall the art of teaching – use film related teaching skills ,web based resources – Individual Performance. Recording.	 Performance in group discussion participation - Observation- -optional level focused groups discussion – entry recorded in reflective journals – Micro teaching 2 skills-15marks. observation of recorded performance of individual students. Practical -10 Marks.

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To appreciate the use of audio- visual aids, ICT, internet and Technology. 	 The importance of Teaching aids in learning process-design and development- Learning support resources- pictures-charts-Flash cards-Models –News papers and Journals-Documentary-Audio-video clips-Interactive board- LCD Projector- Internet-Language lab-Resource mapping. 	Lecturing and Demonstration of teaching aids. Discussion. Group activities. Preparation of learning aids in workshops. Demonstration and observation of Language lab. Preparation and practice of lesson plans based on ICT, internet, and different audio –visual aids.	 Participant observation. Role performance Participation. Role performance. Participation. Competence to use this language lab Performance of students. Examination of lesson templates Test-5 Marks. Field trip-10 marks.

UNIT IV :RESOURCES IN TEACHING AND LEARNING OF SANSKRIT[13HOURS+6HOURS]

EDU. 04.5: THEORETICAL BASE OF ARABIC EDUCATION

(Theoretical Discourses. 60hours and CE. 30 hours)

Objectives

- On completion of the course the student teacher will be able to :
- Familiarize with the functional aspects of teaching and learning and the divergent roles expected
- to be an Ideal Teacher
- Acquaint with the meaning, nature and characteristics of language
- Grasp knowledge about the nature and scope Arabic Language
- Familiarize with the aims and objectives of Arabic Language teaching and learning
- acquaint with the Taxonomy of Educational Objectives
- Develop the ability to apply theories related to Language teaching
- Develop Knowledge of acquisition of basic language skills
- Familiarize with traditional and modern methods, approaches& strategies of language teaching
- Update Knowledge of current approaches and methods& techniques of teaching
- Develops the ability to choose the effective Methods, Approaches, strategies techniques for classroom teaching

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Contents

UNIT 1: GENERAL INTRODUCITION TO TEACHING AND LEARNING: UNIT II: NATURE AND DEVLOPMENT OF ARABIC LANGUAGE UNIT III: AIMS AND OBJECTIVES OF TEACHING ARABIC LANGUAGE UNIT IV: METHODS AND STRATEGIES OF TEACHING ARABIC LANGUAGE :

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 The student teacher will be able to familiarize with the functional aspects of teaching and learning and the diverse roles expected to be an Ideal Teacher 	 Language Learning : Perspectives Teaching and Learning : its Nature and significance Maxims of Teaching Learner and Teacher Inter dependence of Teaching & Learning. Changing concept of Teaching, learning , classroom environment; CWW (classroom without walls), VLE (Virtual Learning Environment.) Competency Based Language Teaching (CBLT) Language teacher competencies 	Introductory Lecture Discussion Group Discussion Observation Narration	 CE Assignments TE

UNIT 1: General Introduction to Teaching and Learning

UNIT II: NATURE AND DEVLOPMENT OF ARABIC LANGUAGE

Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1. The Student Teacher will be able to	•	Language : Meaning, definitions	Lecture	•	CE
acquaint with the meaning, nature	•	Characteristics and functions	Discussion	•	Assignments
and characteristics of language	•	Language and Culture	Discussion	•	Seminar reports
2. The student teacher will be able to grasp knowledge about the nature	•	Basic Concepts: Morphology, Phonology, Syntax, semantics.	Debate	•	ТЕ
and scope Arabic Language	•	First Language, Second Language & Foreign	Seminar		

3. To develop Knowledge of	language	Brainstorming
acquisition of basic language skills	• Arabic as a Second language& foreign	
	Language	
	• Nature and Scope of Arabic Language	
	• Need & Significance of Arabic Language	
	teaching and learning	
	• Problems of learning Arabic as a second	
	language	
	Acquisition of Language	
	Language Skills: LSRW	
	Receptive skills & Productive skills	
	• Listening skill ; Significance of listening	
	• Speaking skill :Importance of speaking,	
	Pronunciation	
	• Reading skill: Importance of reading skill	
	• Types of reading :Loud Reading, Silent	
	Reading; advantages	
	• Intensive reading, Extensive reading;	
	advantages	
	Skimming and scanning	
	• Writing Skill: Importance of writing skill	
	• Types of writing, Characteristics of good	
	handwriting	
	Reference & Study Skills:	
	• Importance of reference and study skills	
	• Use of dictionaries & encyclopedias	
	Online references	
L		

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. The student teacher will be able to acquaint with the aims and objectives of Arabic language teaching	 Aims and Objectives of Teaching and learning Language Socio- cultural & utilitarian aims Principles of Language Learning Objective Based Instruction Blooms Taxonomy of Educational Objectives (original & revised) Objectives and Specifications Process Oriented Teaching and learning 	Lecture Interactive session Discussion Debate Online reference	 CE Assignments/ Project TE
	 Outcome based Learning (OBL) Developing communicative competencies Addressing Learner sensibilities and abilities 		

UNIT III: AIMS AND OBJECTIVES OF TEACHING ARABIC LANGUAGE

UNIT IV: METHODS AND STRATEGIES OF TEACHING ARABIC LANGUAGE

	Learning Outcome		Major concepts		Strategies & Approaches		Assessment
1.	The student teacher will be able to	•	Application of Psychological Principles :	•	Introductory	•	CE
	develop the ability to apply	•	Behaviourism,		Lecture	•	Assignments
	theories related to Language		Cognitivism, Constructivism, Social	•	Discussion	•	TE
	teaching		constructivism, Chomskyan Concept (LAD	•	Demonstration		
2.	Familiarize with the traditional &		& Universal Grammar), Krashen's	•	Debate		
	modern methods, approaches,		Hypothesis	•	Video lesson		
	techniques of language teaching	•	Approaches, Methods & Techniques		observation		
3.	Develop the ability to choose the	•	Traditional and Modern Methods:	•	Online reference		

most suitable methods,	Crommon Translation Mathe d Dilinessel	
	Grammar Translation Method,Bilingual	
Approaches, strategies and	Approach,Direct Method,Structural	
techniques in Arabic language	approach,	
teaching and learning	Communicative Approach, Eclectic	
	Approach, Play way Method, Project Method	
	• Role play ,Dramatization,Narrative strategies	
	• Discourse based language learning,Learning	
	by doing, Activity Based Teaching and	
	Learning	
	Approaches/ Methods of teaching Language	
	elements:	
	 Inductive and deductive methods, Functional 	
	and formal grammar	
	-	
	rippiouenes, methousee reeninques of	
	teaching Language skills :	
	• Listening Skill, Speaking skill	
	developing speaking & Listening Skills,	
	• Causes of bad pronunciation, Techniques of	
	teaching good pronunciation	
	• Methods and techniques of teaching Reading	
	skill	
	• Methods and techniques of teaching Writing	
	skill: Dictation, Creative writing, Editing	
	Process	
	• Critical Evaluation of the Methods of	
	Teaching	

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- Thareeqathu Thadreesi Wa strateejiyyathuhu: Dr Muhammed Mahmmod al Haila, Dar Al Kitab Al Jamia, Al ain, UAE
- Al Mawajjah Al Fanni LiMudarirsee al Lughal Al Arabiyya: Abdul Aleem Ibrahim; Dar al maarif, Al qahira
- Thaaleem al lugha al Arabiya lighairi al nathiqeena biha : Makthab al tharbiyya al Arabi liduwal al Khaleej
- Ilmu al lugha; Muqadhima llil qaria al Arabi: Dr. Mahmood Al Saaran, Dar al- N ahda al Arabiyya
- Thuruqu thadrees al lugha al Arabiyya lil madaris al muthawassitha wa thanaiyya : Hasan Mulla Uthman ; Dar alam al Kuthub lithbaa wa nnashshr wa thouzeea, Riyadh, KSA
- Thaqnolojiya al Thaaleem; Al wasail al thaaleemiyya wa thaqniyyath al thaaluum: Dr. Muhammed Assam Tharbay, Dar Hammurabi lilnashri wa thouzeea
- Asaleeb Wa Thuruqu al-Thadrees al Hadeesa : Dr. Muhammed Assam Tharbaya; Dar Hammurabi lilnashri wa thouzeea
- Providing teachers effective strategies for using technology techtrends: Brown B& Henscheid
- The systematic Design for Instruction: Dick,W& L(1990)
- Istheeratheejiyyath wa Maharah al Tharees :Kamal al Jundi; Dar al Jumhooriya lilthibaa
- Wasaail al Ithisal wa thaknologiya fithaaleem :Dr Abd al hafiz muhammed salama ,Dar al Fjkar
- Murshid al Muallim: Richard D. C ; Aalam al Kutub al Qahira
- Al Thadrees Ahdafuhu wa usasuhu wa Asaleebuhu Thaqweemu Nathaijuhu wa Thathbeeqathuhu: Dr Fikri Hasan Rayan, Aalm al kutub, al qahira
- Madkhal Ila Tharbiya al muthamayyizeena wal Mauhoobeen, Dar al fikar lial thibaa wa Nashr
- Thaqniyyath al thaaleem(Mafhoomuha wa douruha fi thahseeni amaliyyath al thaaleem wa thaallum: Badar Salih
- Al tharbiya wa thuruqu thadrees: Salih abdul Azeez& Abdul Azeez Abdul Majeed; Dar al Maarif, Al Qahira
- Al Muwajjah al Amali li Mudarrisee al Lugha Al Arabiyya: Abid Thoufeeq al Hashmi; Al Risala publishing House, Bairut
- Kaifa Thulqi Darsak: Yabhasu fi usooli al tharbiyath wa thadrees, Dar al Ilm lil Malayeen, Bairut.

EDU. 05.5 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS-ARABIC.

(Theoretical Discourses. 60hours and CE. 30 hours)

Objectives

On completion of the course the student teacher will be able to :

- Acquaint with an understanding of pedagogic content knowledge analysis
- Familiarize with the nature of the content /text book and analyze it pedagogically
- Develop the ability and acquires the teaching skills by practicing complex skills of classroom teaching
- Develop knowledge of the importance of planning in teaching
- Develop the ability to design lesson templates incorporating the relevant objectives and activities
- Acquire the ability to plan lessons and use in classroom teaching
- Develop the ability to apply suitable Teaching Aids in classroom teaching

Contents

UNIT I : INTRODUCTION TO PEDAGOGI CONTENT KNOWLEDGE(PCK) : UNIT II: PLANNING & DESIGNING OF LESSON TEMPLATES UNIT III: ESSENTIAL REQUIREMENTS OF TEACHING ARABIC LANGUAGE UNIT IV : RESOURCES IN TEACHING AND LEARNING OF ARABIC LANGUAGE

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1	• The student teacher will be able to	•	Content Knowledge and Pedagogic	Introductory Lecture	•	CE
	develop an understanding of		Knowledge	D	•	Assignments/
	pedagogic content knowledge	•	Pedagogic Content Knowledge	Discussion	•	project
	Analysis	•	Pedagogic Content Knowledge analysis:	Group Discussion	•	TE
	• Familiarizes with the nature of text		scope, principles and objectives	1		
Ĺ	bookand analyses pedagogically	•	Steps involved in pedagogic content			
	bookand analyses pedagogically		knowledge analysis			

UNIT I: Introduction to Pedagogic Content Knowledge (PCK):

Dedegagia Analysis of language discourses	Observation
Pedagogic Analysis of language discourses	Observation
:Conversation, poem, rhyme, slogan, speech,	
notice, report, message, letter, poster,	Narration
advertisement, write-up, profile, biography,	
essay, story, Quran & Hadith, narration etc.	
• Pedagogic Analysis of language elements:	
grammar, vocabulary, structures, rhetoric &	
prosody etc.	
• Pedagogic Analysis of Arabic Text Books	
prescribed for the State Schools of Kerala	
from 6 th std to 12 th std	
• Critical Analysis of Arabic H B& TB for	
VIII to X std of the state schools	

UNIT II: Planning and Designing of Lesson Templates

	Learning Outcome		Major concepts		Strategies & Approaches		Assessment
1.	Develop knowledge of the importance of planning in teaching	•	Planning in Teaching : Importance of planning in teaching	•	Introductory Lecture	•	CE Assignments/
2.	Acquire the ability and skills to plan lessons and use in classroom teaching	•	Objectives of Planning Different levels of Planning :Year plan, Unit plan, lesson plan Planning and designing of lesson templates	•	Discussion Group Discussion Observation	•	project TE
3.	Develop the ability to design lesson plans incorporating the relevant objectives and activities	•	Steps involved in preparing lesson template Designing lesson templates for different language discourses& language elements	•	Narration		

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes with ways of employing teaching skills for effective teaching Practice teaching skills And apply it effectively 	 Teaching Skills :Pre teaching skills & post teaching skills Core skills in teaching : stimulus variation, introducing ,explaining, questioning, response management, Application of ICT skills / Black Board, White Board, & Interactive Board Practicing teaching skills : Micro Teaching: the concept, Micro teaching cycles, Link practice Preparing of Micro Teaching Lesson Plans 	Introductory Lecture Discussion Group Discussion Observation Narration	 CE Assignments TE

UNIT III: ESSENTIAL REQUIREMENTS OF TEACHING ARABIC LANGUAGE

UNIT IV: RESOURCES IN TEACHING AND LEARNING OF ARABIC LANGUAGE

	Learning Outcome		Major concepts	Strategies & Approaches	Assessment
1.	Familiarizes with ways of	•	Teaching Learning Materials(TLM) :	Introductory Lecture	• CE
	developing different teaching aids		Psychological Bases	Discussion	Workshop products
	and applying in classroom	•	Teaching aids, its design and development :	Discussion	Observation
	teaching	•	Audio, video, audio-video, Graphic and	Group Discussion	• Reports
2.	Acquire the ability to apply suitable Teaching Aids in classroom teaching	•	improvised aids, Projected and non projected aids Animated and digital aids, Language Lab, Multi media aids	Observation Narration	collectionsTE

 wa thasdeer Wassahafa, al mushaira, al siyaha al dirasiyya, zawiyathul qiraa etc. Teaching Learning Resources: TB & HB, its characteristics and qualities Other resources: Supplementary Readers, Local Text, Zero Test, Live Text, Static Text etc. 	•	Activity Aids: Jamaiyathul Arabiyya al adabiyya, nadiyathu lluga, majallathul arabiyya wal jidariyya wa nuskhiyya, idaathul arabIyya, ialanathul arabiyya, maharjan al adabil arabi, al thaaleef	
		arabiyya wal jidariyya wa nuskhiyya, idaathul arabIyya, ialanathul arabiyya, maharjan al adabil arabi, al thaaleef wa thasdeer Wassahafa, al mushaira, al siyaha al dirasiyya, zawiyathul qiraa etc. Teaching Learning Resources:TB & HB, its characteristics and qualities Other resources: Supplementary Readers, Local Text, Zero Test, Live Text, Static Text	

References:

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- Thatweeru Adai -al Muallim; kifayathu thaaleem wa thahleel al muthawasila : Hashim Uwaidha, Dar al Ilm al Malayeen , Labanan
- Thuruqu thadrees al lugha al Arabiyya lil madaris al muthawassitha wa thanaiyya : Hasan Mulla Uthman ; Dar alam al Kuthub lithbaa wa nnashshr wa thouzeea, Riyadh, KSA
- Thaaleemu al lugha al arabiyya baina nadriyya wa thathbeeq: Dr Hasan Al Shahatha, Dar Misriyya wa llubnaniya
- Mushkilathu thaaleemu llughal Arbiyya: Abbas Mahmood ; Dar alsaqafa, Qatar
- Thareeqathu Thadreesi Wa strateejiyyathuhu: Dr Muhammed Mahmmod al Haila, Dar Al Kitab Al Jamia, Al ain, UAE
- Al Mawajjah Al Fanni LiMudarirsee al Lughal Al Arabiyya: Abdul Aleem Ibrahim; Dar al maarif, Al qahira
- Thaaleem al lugha al Arabiya lighairi al nathiqeena biha : Makthab al tharbiyya al Arabi liduwal al Khaleej
- Ilmu al lugha; Muqadhima llil qaria al Arabi: Dr. Mahmood Al Saaran, Dar al- N ahda al Arabiyya
- Thaqnolojiya al Thaaleem; Al wasail al thaaleemiyya wa thaqniyyath al thaaluum: Dr. Muhammed Assam Tharbay, Dar Hammurabi lilnashri wa thouzeea
- Asaleeb Wa Thuruqu al-Thadrees al Hadeesa : Dr. Muhammed Assam Tharbaya; Dar Hammurabi lilnashri wa thouzeea
- Providing teachers effective strategies for using technology techtrends: Brown B& Henscheid
- Istheeratheejiyyath wa Maharah al Tharees :Kamal al Jundi; Dar al Jumhooriya lilthibaa
- Wasaail al Ithisal wa thaknologiya fithaaleem :Dr Abd al hafiz muhammed salama ,Dar al Fjkar

- Al thadrees wa Iadad al Muallim: Dr.S Abdulrahman qindeel Dar al Nashr al Duwali
- Murshid al Muallim: Richard D. C ; Aalam al Kutub al Qahira
- Al Thadrees Ahdafuhu wa usasuhu wa Asaleebuhu Thaqweemu Nathaijuhu wa Thathbeeqathuhu: Dr Fikri Hasan Rayan, Aalm al kutub, al qahira
- Madkhal Ila Tharbiya al muthamayyizeena wal Mauhoobeen, Dar al fikar lial thibaa wa Nashr
- Thaqniyyath al thaaleem(Mafhoomuha wa douruha fi thahseeni amaliyyath al thaaleem wa thaallum: Badar Salih
- Kuthub al Mudariseen lil madaris al thanawiyya: Majli al wilaya lilbuhuzu thabaviyya wathadreeb
- Al tharbiya wa thuruqu thadrees: Salih abdul Azeez& Abdul Azeez Abdul Majeed; Dar al Maarif, Al Qahira
- Kaifa Thulqi Darsak: Yabhasu fi usooli al tharbiyath wa thadrees, Dar al Ilm lil Malayeen, Bairut.
- Al Muwajjah al Amali li Mudarrisee al Lugha Al Arabiyya: Abid Thoufeeq al Hashmi; Al Risala publishing House, Bairoot
- Taxonomy of Educational Objectives : Bloom ,B.S.et al (1968)Handbook , D.Mc , New York
- A taxonomy of learning, teaching & assessing: A Revision of Blooms taxonomy of educational objectives : Anderson, LW& Krathwohl, DR(2001), New York, Longman
- Teaching Strategies: A guide to better instructions, HMCo. New York

EDU-04.6 : THEORETICAL BASE OF TAMIL EDUCATION

(Theoretical Discourses- 60 & CE – 30 hours)

Objectives:

The student teacher :

- 1. Familiarizes with the nature and purpose of language teaching.
- 2. Grasps problems related to learning a Second Language.
- 3. Draws implications of different theories of learning for Second Language instruction.
- 4. Gets an awareness of Approaches, Methods and Instructional Strategies for teaching Tamil.

Contents :

- Unit 1 :General Introduction to Tamil Language Teaching and Learning
- Unit 2 :Nature and Development of Tamil Language
- Unit 3 : Aims and Objectives of Teaching Tamil
- Unit 4 : Methods and Strategies of Teaching Tamil

Unit 1: General Introduction to Tamil Language Teaching and Learning (25 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Student teacher familiarizes with functional plane of teaching and learning and the divergent roles expected to be played as Language Teacher Grasps the current status of Tamil and its importance 	 Significance in the Global context Tamil – Classical Language 	Makes student recall qualities of teachers whom they admire/ remember Narration, anecdotes of lives of teachers who served as role models Views films related to	 of Tamil as an Classical Language Performance in classroom discussions regarding teacher role

 Tamil as a Link Language Language teacher competencies Roles and Responsibilities of Tamil Teachermentor, facilitator, scaffolder, reflective practitioner 	Inviace of graat taa abara
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Unit 2:Nature and Development of Tamil Language(20 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Gathers knowledge about meaning, nature and characteristics of language and select theories of language teaching and learning 	Language and media(print and digital)	Brain storming Seminar Presentations Quiz Peer Tutorial Discussion Invited Talks	 Examine level of participation Role performance analysis Evaluation based on documentation

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. Develops an understanding of the principles of language teaching	 Utilitarian aim, Socio-cultural aims -Objectives of Teaching Tamil -Principles of Language Learning -Ideology of teaching Tamil in classrooms; Addressing learner sensibilities and learner abilities in language learning; Developing communicative competence 	Brain storming Quiz Discussion Assigned readings from the works of theorists Group discussion	 Examine level of participation Evaluation based on documentation Examine student report Address the level of pupil involvement in Group Discussion

Unit 4:Methods and Strategies of Teaching Tamil (25 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes with traditional approaches and methods of language teaching Updates Knowledge of current approaches and methods Develops the ability to choose the most suitable method for a given content or group of learners 	Student Centered Method and Teacher Centered Method	Demonstration of steps followed in different methods Watching video recordings Accessing Online input on the topic Co-relating class room activities	 Evaluate the competence to compare and contrast Monitor the ability to distinguish between similar concepts, phases

References (for EDU – 04, 05, 09, 10, 13 & 15)

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- Rajan, Govinda M, Nattamil Karpithalum Muraikalum
- Ponnappan P, Tamil Paadam Cholum Murai (vol I & II)
- Nathan, Meenakshi S, Notes of Teaching Tamil, Manonmaniam sundarnar University Publication
- Parasuraman, S Tamil Kamithalil Paryerchikal
- Gurney P, Teaching of Mother Tongue
- Rylburn, Suggestion of Teaching of Mother Tongue
- Nathen, Meenakshi et al, Tamil Grammar of std VIII & IX (SCERT)
- Tamil Nadu Text Book society Publication, Tamil Grammer for std VIII & X
- Nannool Kaandikai Urai Pavanantham Pilla Commentary
- VisakaperimaiP, Annai llakkanaram. Saiva Sithandam Publication
- Iyengar, Ragava M. Porulathikara Arachichi
- Muthishanmugham, Thekkaiamoyliyiyai,
- Raja Ram, Tamil Phonetic Reader, Central Institute of Languages, Mysore
- Paranthamanar, A. Nalla Tamil Ezhuthu Karuthum
- Veluppillai, Tamil Ilakkiyalin Kaalamum Karutum
- Varadarajan M, Tamil lakkiga Varalam, Sakitay Academy Pbulications
- Mandstein CH, Modern Language Teaching
- Rediyyar, Subbu, Tamil Karpikkum Muraikal
- Govinda Rajan, M Nattamil Pariyuttum Nookam Muriyum
- Govinda Rajan, M. Paliluttu Paiurchium, Mozchiaciriyar-Gazhumy
- Govinda Rajan, Mozhi Thiregalghum, Cila cikkalaga-lum
- Billows, The techniques of language teaching, New Delhi: Longmans
- Dalki J, The Language Laboratory and Language Learning. New Delhi: Longmans

EDU- 05.6 : Pedagogic Content Knowledge Analysis : Tamil.

(Theoretical discourses -60 & CE – 30 hours)

Objectives:

The student teacher:

- Familiarizes with the different dimensions of Pedagogic Content Knowledge.
- Develops an understanding of objectives and specifications for teachingTamil as a Second Language.
- Familiarizes the procedure and steps for planning different kinds of lesson.
- Analyzes Secondary Course Books and identifies suitable strategies fortransacting content.
- Explores ways of designing appropriate learning aids.
- Identifies suitable strategies for assessment.

Contents;

Unit I: Introduction to Pedagogic Content Knowledge (PCK) Unit II: Planning and Designing of Lesson Templates Unit III: Essential Requirements for Teaching of Tamil Unit IV: Resources in Teaching and Learning of Tamil

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
• Develops an understanding of pedagogy and its principles	• Pedagogic Analysis - Scope, Principles and Objectives	Direct instruction	Participation in task.Peer
 Familiarizes with Taxonomy of Educational Objectives 	5	Engaging in Group discussion	 assessment of presentations
• Develops an understanding of types of thinking	• -Objective-based Instruction - Bloom's Taxonomy: Specifications,	Individual and collaborative tasks	
• Familiarizes with the nature of a Course Book	-Process skills & Thinking Skills (Critical	Critique of different	

Unit 1: Introduction to Pedagogic Content Knowledge (PCK)- 25 hours.

	and Creative), Problem Solving	Course Books	
•	Content Analysis - Themes, Language elements, Sequencing of content, Deficiency in content-Discourses- slogans, placards, notices, reports, diary entry, messages script of a speech, letter, posters, advertisement, write up, conversation, profile etc.		

Unit 2: Planning and design of lesson templates (25 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes the procedure and steps for planning different kinds of lesson. Analyzes Secondary Course Books and identifies suitable strategies for transacting content. 	 Planning- Relevance, mode and Design-Year Plan-Unit Plan - Lesson Templates Components and Strategies for teaching: Prose- Intensive and Extensive reading; Skimming and Scanning, Silent and Oral reading, Pre-reading and Post-reading Poetry- Appreciation, Deviant language of Poetry Grammar- Formal and Functional, Inductive and Deductive methods, Vocabulary - Content and Function words, Active and passive vocabulary, Techniques and Strategies for enriching vocabulary 	Workshop mode to identify Objectives, Specifications and appropriate testing mechanisms Critiquing Syllabus Grids in Course Book Intro. lectures on thinking skills Demo. by expert Preparation of Group Lesson Plan/Teaching Manual Practice under	 Ability to develop suitable Lesson Plan/ Teaching Manual for different content Phased monitoring Performance in Workshop Checking ability to frame appropriate Objectives and Specifications

su	upervised guidance
di	Cask-directed liscussion and Applied exercises

Unit 3: Essential requirements for teaching of Tamil (20 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes with different teaching skills 	 Analysis and Practice of Language Skills- LSRW Identification and Practice of Language Elements - structure, vocabulary etc. Core Skills of Teaching- -Introduction Illustrating with examples Explaining Questioning Stimulus Variation- Reinforcement Using Blackboard- Using teaching aids Response Management-Classroom Management Reading -Recitation -ICT skills Micro Teaching-Concept, Phases and Cycle 	Peer observation using Schedule Videography for reflection Supervised guidance	 Use of Observation schedule *Reflection write- up submitted following viewing of video recording of own teaching

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Familiarizes with ways of employing different aids for teaching different content Explores ways of designing appropriate learning aids. 	-Learning support resources -Pictures-Charts-Flash Card-Models- News paper and Journals-Documentary	Display of specimen aids Guidance for preparation of aids for different content in workshop mode	Peer commentGuided supervision

Unit 4: Resources in teaching and learning of Tamil (20 hours)

EDU- 04.7: THEORETICAL BASE OF MATHEMATICS EDUCATION.

(Theoretical Discourses-60 hours & CE - 30 hours)

Objectives:

- To make the novice student teachers understand the scope and nature of Mathematics teaching at different levels of learning
- To introduce Mathematics teacher with a futuristic perspective as an agent of social change
- To acquire the fundamentals of theory and practice of principles and procedures of teaching and learning of Mathematics
- To develop an understanding of different methods, strategies and techniques possible in teaching and learning of Mathematics

Contents:

- Unit I : Introduction to teaching and learning
- Unit II: Nature, Scope and Development of Mathematics
- Unit III: Aims and Objectives of Teaching Mathematics
- Unit IV: Methods and strategies of teaching

Unit I: Introduction to teaching and Learning (10 hours)

	Learning Outcome	Major concepts		Strategies & Approaches	Assessment
1.	To understand the various roles of	• Teacher	•	Meaningful	Performance assessment in
	Mathematics teacher	Role-*Knowledge manager		Verbal	group discussion
2.	To familiarize and develop general	• Facilitator	•	Explanation	• Tests
	and specific competencies	• Scaffolder	•	Group Discussion	Peer evaluation
3.	To generate a knowledge of phases	• Mentor	•	Peer tutoring	• Evaluation of assignments
	of teaching	Social Engineer	•	Power point	
4.	To understand the qualities of a	Reflective practitioner	•	presentation	
_	good mathematics teacher	• Competencies-Professional competencies of	•	Assignments	
5.	To acquaint with the concept of	a Mathematics teacher			
	classroom without walls	• Qualities of a good teacher			
		• Teaching			

•	Phases of teaching(Pre-active, Interactive	
	andPost- active teaching)	
•	Maxims of Teaching /Learning	
•	Teacher behaviour and Learning	
•	Class Room	
•	Concept of Virtual Learning	
	Environment(Class room without wall)	

Unit II: Nature, Scope and Development of Mathematics (13 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To familiarize with various definitions of Mathematics To understand the nature and scope and characteristics of Mathematics To acquaint with development of Mathematics To inquire into the Contributions of great Mathematicians To understand the values of learning Mathematics To identify different types of correlation of Mathematics 	 Nature and scope of Mathematics Characteristics of Mathematics Language of Mathematics Role intuitioninductive and inductive reasoning Development of Mathematics Human needs as the basis of growth of Mathematics as a structured science-undefined terms, postulates, axiomsand theoremspure and applied mathematics Euclidian and non-Euclidean Geometry Contributions of great Mathematicians- -Pythagoras, -Rene Descartes, - C.F.Gauss, Aryabhatta, -Bhaskaracharya, Brahmacounte, and Statematics Bearcounte 	Meaningful Verbal Explanation Group Discussion Peer tutoringreflective dairy CollaborativeInteracti on andRole Play Power pointpresentation Assignments Brain storming	 Analysis of students Performance Peer Evaluation Poster Presentation Evaluation of reflective dairy Questioning Class tests

 Aesthetic, Social, Moral, International etc. Correlation of Mathematics withlife, other subjects and different branches of the same subject 	Utilitarian, Disciplinary, Cultural,	Group discussions
• Correlation of Mathematics within, other subjects and different branches of the same		
		Semmar
subject		
Subject	subject	

Unit III: Aims and Objectives of Teaching Mathematics (20 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand the aims and objectives of teaching mathematics To introduce the Blooms taxonomy of educational objectives under three domains To familiarize with the revised version of Bloom's taxonomy of educational objectives To compare and contrast the objectives of teaching mathematics listed in NCF and KCF 	 Aims of teaching Mathematics Meaning of objectives. Instructional objectives and Specifications Concept of Objective based instruction Blooms taxonomy of educational objectives Cognitive domain, Affective domain, and Psychomotor domain A conceptual overview of revised Bloom's taxonomy of objectives of teaching/ learning (Anderson and Krawthwohl),1990. A conceptual overview of Technology Integrated Taxonomy, Peck and Wilson,1999 Objectives of teaching mathematics as enumerated by NCF(2005) and KCF(2007) 	Meaningful verbalpresentation Power pointpresentations Illustrations Seminars Role play Collaborative and Cooperative learningstrategies	 Performance analysis in group discussions Observation Participation in the Seminar sessions Examples cited in their lecturenote Questioning Summative evaluation _ Participation in the Seminar sessions

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand various methodsand approaches, useful for effective transaction of mathematics To familiarize with various techniques useful for individualizing Mathematics instruction 	 Methods and approaches Procedure, merits & demerits of: Lecture method Inductive Deductive method Analytic -Synthetic method Laboratory method Project method Problem solving method Heuristic approach Concept of Questioning, -Features of good questions and Good questioning Techniques for individualizing instruction Assignments Homogeneous grouping Supervised study Drill work Dalton plan 	Group discussions Role play Meaningful verbal presentation Collaborative and Cooperative learning Strategies Power point presentations	 Participant observation Performance assessment in classroom activities Individual work and in Group work. Summative evaluation

Unit IV: Methods and strategies of teaching Mathematics (17 hours)

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EDU 05.7: PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS: MATEMATICS

(Theoretical Discourses-60 hours & CE - 30 hours)

Objectives:

• To develop practical field based skill and experience in resource development and learning experience designing while transacting the mathematics curriculum

- To infuse an attitude for undertaking the contextual challenges as a Mathematics Education Professional
- To enrich the capabilities of Mathematics teachers during and after the pre service education
- To inculcate the theoretical and practical wisdom of mathematics classroom and its associated units' design, management and innovation

Contents:

Unit 1: Introduction to Pedagogic Content Knowledge

Unit 2: Planning and Designing of Lesson Templates

Unit 3: Essential Requirements of Teaching Mathematics

Unit 4: Resources in Teaching and Learning Mathematics

Strategies & **Learning Outcome Major concepts** Assessment Approaches 1. To provide knowledge on Concepts and principles of pedagogic Lecturing Performance analysis in group • ٠ Pedagogic Analysis Analysis discussions ٠ Collaborative/Cooper 2. To identify the requirements for • Content Analysis of Standard 8,9 & 10 texts Observation ative Learning session Pedagogic Analysis Books listing of Objectives, Curricular _ Participation in the Seminar 3. To develop ability to analyze the objectives, learning outcomes, pre-requisites, sessions Group discussion • content for locating Objectives, resources, teaching strategies, learning _ Assessment of assignment ٠ Curricular objectives, learning activities and judgment strategies Seminars outcomes, pre-requisites, Narrative Expression resources, teaching strategies,

Unit I: Introduction to Pedagogic Content Knowledge (10 hours)

learning activities and evaluation	Assignment	
strategies		

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand need, importance and stages of planning instructions in mathematics To develop the ability to plan and design year, unit and lesson plans 	 Planning instruction Need and Importance of planning, Stages of planning -Year plan, Unit plan and Lesson plan Transition of behaviouristic approach to constructivist approach in lesson planning Preparation of lesson templates in Behaviourist and Constructivist formats 	Meaningful verbal Presentation Collaboration/Cooper ative Learning session, Group discussion Reviewing previous lesson plans	 _ Questioning _ Performance analysis in group discussions Assessment of practical records on Discussion, demonstration, criticism lessons. Practicals Discussion lessons Observation of video lessons o Demonstration lessons

Unit II: Planning and Designing of Lesson Templates (25 hours)

Unit III: Essential Requirements for Teaching Mathematics(15 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To understand the basic skills	Mathematical Skills	Meaningful	Assessment of reflective diary
needed for effective teaching o	• Arithmetic skills:role of speed and accuracy	verbal	• Performance analysis while
develop the ability to make use of	Geometric Skills		practising Microteaching skill
teaching skills by the practice of	• Drawing and interpreting graphs and charts	presentation	 discussions
microteaching	• HOT skills	Group discussion	Observation
	Teaching Skills		Practicals

2. To understand and practice digital skills.	 Microteaching Skills (set induction, questioning, reinforcement, stimulus variation, using black board, explanation etc) Microteaching lessons- Planning and preparation of Microteaching lesson plans _ Practicing Microteaching skills Digital skills identify and practice digital skills for 	Brain storming Practice of skills Illustration of skills Simulation Video clippings/video lessons Illustration Video clippings/video lessons Video clippings/video lessons
	teaching	

Unit IV: Resources in Teaching and Learning Mathematics (10 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand different methods for concretizing abstract ideas To understand the need, importance and different types of learning aids in mathematics To provide hands on experience on modern learning supporting gadgets for each student 	 concretization of abstract ideas in mathematics, Different types of learning aids, Improvised aids modern learning supporting gadgets like PPT, Interactive white Board etc Hands on experience on the modern learning supporting gadgets. 	Meaningful verbal presentation Group activities Sessions in small or medium groups -Video clippings You tube resource tapping Drill and Practice Lab sessions	 _ Performance analysis in individual and in group discussions/tasks _ Questioning _ Practical tests

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EDU- 04.8 : THEORETICAL BASE OF PHYSICAL SCIENCE EDUCATION

(Theoretical Discourse - 60 hrs, CE - 30 hrs)

Objectives:

- To make the novice student teachers understand the scope and nature of Physical Science teaching at different levels of learning
- To introduce the challenging career of Science teacher with a futuristic perspective as an agent of social change
- To acquire the fundamentals of theory and practice of principles and procedures of teaching and learning of Physical Science
- To develop an understanding of different methods, strategies and techniques possible in teaching and learning of Physical Science

Contents:

- Unit 1: Introduction to Teaching and learning
- Unit 2: Nature and Development of Science Education
- Unit 3: Aims and Objectives of Teaching Physical Science
- Unit 4: Methods and Strategies in Physical science Teaching

Unit I: Introduction to Teaching and Learning (10+5=15 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquaint student teachers with the process of teaching learning in the changing scenario To familiarize with the maxims of teaching To understand the concept of learning given by behaviourists, cognitivists and constructivists To familiarize with the changing classroom environment To develop understanding in Continuing Professional 	 Learning - definitions based on behaviourism, cognitivism and constructivism. Interdependence of teaching and learning. 	Meaningful verbal expression Group discussion Narrative expression sessions in small or medium groups Seminar	 Analysis in group discussion Participant observation Debate Reflective journal Tests

6.	Development To acquaint with the qualities, duties and responsibilities of science teacher	 engineer and reflective practitioner. Professional growth of science teacher Continuing Professional Development (CPD)
7.	To understand the changing roles of teacher in the present scenario	

Unit 2: Nature and Development of Science Education (10+5=15 hours)

 To understand the nature and scope of science To familiarize with the evolution of scientific achievements. To identify and highlight the contributions of scientists in India and abroad To appreciate the contributions given by the Indian women scientists To familiarize with the evolution of teaching of science To identify the role of science for sustainable development Nature of science-science as a product , process) Nature of science-science as a product , process) Scope of science-Values (intellectual, social, practical, disciplinary, recreational, moral, aesthetic) Development of science in ancient, medieval and modern periods. Contributions of scientists- Einstein, Newton, Lavosier, Mendeleev, Rutherford, C.V. Raman, M.N. Saha. P.C.Ray, APJ Abdul Kalam, G. Madhavan nair, ECG Sudarshan, Kalpana Chawla, Sunitha Williams, Tessy Thomas Evolution of science education Evolution of science education Emerging branches in science- 	Learning Outcome	Major concepts	Strategies & Approaches	Assessment
Nanotechnology, Bioinformatics, information Technology, Geoinformatics Science for sustainable development	 of science 2. To familiarize with the evolution of scientific achievements. 3. To identify and highlight the contributions of scientists in India and abroad 4. To appreciate the contributions given by the Indian women scientists 5. To familiarize with the evolution of teaching of science 6. To identify the role of science for 	 process) Scope of science-Values (intellectual, social, practical, disciplinary, recreational, moral, aesthetic) Development of science in ancient, medieval and modern periods. Contributions of scientists- Einstein, Newton, Lavosier, Mendeleev, Rutherford, C.V. Raman, M.N. Saha. P.C.Ray, APJ Abdul Kalam, G. Madhavan nair, ECG Sudarshan, Kalpana Chawla, Sunitha Williams, Tessy Thomas Evolution of science education Emerging branches in science-Nanotechnology, Bioinformatics, information Technology, Geoinformatics 	Group discussion Seminar Personality profile presentation	PostersOnline assessment

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquaint with the aims and objectives of teaching physical science To understand the different taxonomies of instructional objectives To understand the aims and objectives of NCF and KCF 	 Aims and Objectives of teaching physical science Scientific attitude Objective based instruction- Instructional objectives, Specific objectives, learning experience, Evaluation Taxonomy:Bloom's Taxonomy,1956. Revised Bloom's Taxonomy(Anderson and Krawthwohl),1990. Mc Cormack and Yager Taxonomy of Science Education,1989 - Process skills. Technology Integrated Taxonomy, Peck and Wilson,1999. Aims and Objectives of teaching Physical science with respect to NCF(2005), KCF(2007) 	Meaningful verbal expression Narrative expression sessions in small or medium groups Seminar Digital presentation Blog searching Reflective practices Peer tutoring	 Questioning Participation in group discussions Participant observation Tests Blog posting

Unit 3: Aims and Objectives of Teaching Physical Science (20+4=24 hours)

Learning Outcome	earning Outcome Major concepts		Assessment	
1. To understand methods, strategies and techniques of teaching Physical Science	 Teacher centred methods- Lecture method, Lecture demonstration method, Historical method. Learner centred methods- Laboratory method, assignment method, Heuristic method, Developmental method, Project method, Dalton Plan, Inductive method, Deductive method, Problem Solving method, Guided discovery method, Supervised Study Scientific Method- Steps, Elements- Logical and Technical aspects, Mill's Canon of Induction, Transfer of training Techniques of teaching Physical Science- Debate, Seminar, Symposium, Discussion, Buzz section, Brain storming, Simulation, Role play. 	Meaningful verbal expression Group discussion Peer instruction Brain storming Explicit teaching	 Analysis in group discussion. Participant observation. MCQ based discussion. Graphic Organizer Designing. 	

Unit 4: Methods and Strategies in Physical science Teaching (20+6=26 hours)

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EDU - 05.8 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS : PHYSICAL SCIENCE

(Theoretical discourses - 60 hrs, CE - 30 hrs)

Objectives:

- To develop practical field based skill and experience in resource development and learning experience designing while transacting the science curriculum
- To infuse an attitude for undertaking the contextual challenges as a Science Education Professional
- To enrich the capabilities of prospective science teachers during and after the pre service education
- To inculcate the theoretical and practical wisdom of science classroom and its associated units' design, management and innovation

Contents:

- Unit 1: Introduction to Pedagogic Content Knowledge
- Unit 2: Planning and Designing of Lesson Templates
- Unit 3: Essential Requirements of Teaching Physical Science
- Unit 4: Resources in Teaching and Learning of Physical science

Unit 1: Introduction to Pedagogic Content Knowledge (20+10=30 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand pedagogic content knowledge (PCK) and find its scope in teaching and learning To understand the steps involved in PCK analysis To apply the principles of pedagogic analysis. 	 Pedagogic Content Knowledge (PCK)- Meaning and Scope. Content analysis- Meaning, Purpose and steps. PCK Analysis - Content Analysis, Learning outcomes, Pre requisites, Inputs that enrich learning(Teaching-learning resources, Environmental inputs), Community resources, Enrichment Activities, Assessment techniques, Assignments. 	Meaningful verbal expression Group discussion Turn around K-W-L charting Document writing	 Analysis in group discussion Assessment of optional notebook entries Open forum Peer evaluation

• PCK Analysis of Physical science content	Net surfing	
from secondary school syllabus prescribed by		
SCERT		

Unit 2: Planning and Designing of Lesson Templates (20+15=35 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquaint with the planning of instruction To develop understanding of different types of planning To design lesson templates based on different formats 	 Planning- Need and Importance. Different types of planning- Purposes and steps-Year Plan, Unit Plan, Resource Unit, Lesson Plan- Herbartian steps Behaviourist and Constructivist formats 	Meaningful verbal expression Group discussion Explicit teaching Peer tutoring	 Performance assessment in group discussion Assessment of optional notebook entries

Unit 3: Essential Requirements of Teaching Physical Science (25+25=50 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To identify competencies required for a teacher to be professional. To develop understanding of various teaching skills To understand microteaching and its relevance in the development of teaching skills To design, practice and document micro lessons in physical science 	 Teacher Competencies-Subject competencies, Pedagogical competencies, Technological competencies. Teaching skills Microteaching - Definitions and meaning, principles, steps, microteaching cycle Development of selected teaching skills- Set induction, Reinforcement, Explaining, Illustrating with examples, Probing questions, Using chalk board, Stimulus 	Meaningful verbal expression Group discussion Document analysis and Peer evaluation Video observation Reflective practices	 Analysis in group discussion Lesson segment preparation Observation schedule designing Think, Pair and Share sessions

variation, Using audio-visual aids, discussion, promoting pupil participation,
Classroom management.
Link Practice

Unit 4: Resources in Teaching and Learning of Physical science (15+10=35 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand the importance of learning aids and improvised aids in learning Physical Science To acquire hands-on experience in designing and developing suitable learning aids for classroom instruction To develop understanding in resource mapping 	 Importance in science learning Text book- Qualities, Vogel's Criteria, Fog Index 	Narrative expression sessions in small or medium groups Document analysis You tube resource tapping Drill and Practice Lab sessions	1

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- Julie Gess- Newsome & Norman G. Lederman(1999): Examining Pedagogical Content Knowledge: Netherlands, Kluwer Academic Publishers.
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EDU - 04.9 : THEORETICAL BASE OF NATURAL SCIENCE EDUCATION

(Theoretical Discourses-50 Marks/60 hours & CE-25 Marks/30 hours)

OBJECTIVES:

Enable the student teacher to

- understand the scope and nature of Natural Science Teaching at different levels of learning.
- acquire the fundamentals of theory and practice of principles and procedures of Teaching and Learning of Natural Science.
- understand the concept of teaching- learning process.
- identify roles and competencies essential for a Natural science teacher.
- understand and develop skill in selecting appropriate aims and objectives for teaching Natural Science.
- familiarize and apply the instructional management strategies of teaching Natural Science.

CONTENTS

- Unit I: General introduction to teaching and learning for novice -Concept of Teaching and Learning- Its interdependence. Changing concept of classroom environment, Teacher as a professional
- Unit II : Science a conceptual analysis The nature and development of science.
- Unit III: Aims and objectives of teaching Natural Science -Broad aims of teaching Natural Science ,Aims and objectives of teaching Natural science with respect to NCF and KCF and different Taxonomies of Instructional Objectives-
- Unit IV: Methods and strategies for teaching Natural Science-Teacher and Student initiated methods, Approaches, Techniques.

UNIT: I GENERAL INTRODUCTION TO TEACHING AND LEARNING FOR NOVICE (Theory hours-10)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To understand classroom as an	1.1Classroom as an organization-Teacher		• Participation in group discussion.
organization2. To acquaint student teachers with the process of teaching learning in the changing scenario.	6 6 1		• On-task behavior in class.
	teaching.		• Tests.

3.	To understand the concept of	• Changing concept of classroom		• Science diary.
	learning according to behaviouristic, cognitive and	environment- classroom climate- An introduction to conducive, learner friendly,	Brain storming.	• Daily reflective journal
	constructivist theories.	inclusive and Virtual learning environment	Seminar.	Participant observation
4.	To understand the changing	(VLE).	Reflective practices.	
	concept of classroom environment in ^{21 st} century.	1	Reflective plactices.	
5.		 Teacher qualities, competencies Role of Teacher as manager, leader, knowledge worker, guide, supervisor, 	Debate.	
6.	To familiarize the virtual learning environment.	mentor, scaffolder, social engineer, reflective practitioner in teaching-learning process.	PBL.	
7.	To identify the qualities and competencies required for a	 Continuing professional development (CPD)- conceptual Analysis. 	Multimedia approach.	
		• 1.4 An introduction to Child With Special		
8.	To understand the changing roles	Needs (CWSN).		
	of teacher in teaching-learning			
9.	rocess. To familiarize the concept of Continuing professional development.			

UNIT.II SCIENCE -A CONCEPTUAL ANALYSIS NATURE AND DEVELOPMENT(Theory hours-8)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To understand the nature of	•	2.1Nature of science-The three fold nature		٠	Online assessment
	science.		of science- Science as process (Scientific method, Process skills) and products (Terms,	Group discussion	•	Participation in group discussion.
2.	To familiarize and appreciate the			Seminar	•	Questioning.
	development of science in India		Theories, Laws, and Generalizations).	Semmar	•	On-task behavior.
	and Contributions of scientists in	0	Scientific attitude. Development of science education in India .	Personality	•	student's portfolio.
	India and abroad.	•	An introduction to National Scientific Policy		•	Posters

3. To familiarize the development of science in India.	Resolution of 1958, Indian Parliamentary and Scientific Committee & Role of NCERT in science education.	profile presentation
4. To design different strategies to develop scientific Attitude.		Reflective practices.
5. To familiarize the emerging branches of Science.	 M.S.Swaminathan, and Gregor Johhan Mendal. An introduction to Emerging branches of science: Biotechnology, Nanotechnology, Bioinformatics, Geo informatics. 	PBL Multimedia and interdisciplinary approach. Team teaching. Peer tutoring

UNIT-III AIMS AND OBJECTIVES OF TEACHING NATURAL SCIENCE (Theory hours-21)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To identify the values of science and its transactional potentiality. To understand the aims and objectives of teaching Natural Science. To understand the aims and objectives of NCF and KCF. To understand the different taxonomy of instructional objectives. 	 3.1Broad aims of teaching Natural Science :Awareness about the millennium development goals with special reference todeveloping scientific literacy(Practical, Civic and Cultural), Effecting social changes(promoting health and hygiene, Population control, Eradication of diseases, Better nutrition(Eradicate extreme poverty & hunger), 	Meaningful verbal expression. Group discussion. Narrative expression sessions in small or medium groups. Brain storming.	 Participation in group discussion. Questioning. On-task behavior in class. Tests. Science dairy. Daily reflective journal Participant observation. Student's portfolio

-	— 1 11 2	1		
5.	1	•	Removal of superstitions, Raising the	
	Objective based Instruction.		standard of living : bringing science to home	Seminar.
6.	To understand triangular		and community (longevity of life, decreasing	
	relationship between the		infant mortality rate,	Reflective practices.
	instructional objectives, Learning	•	Improve maternal health, health index, better	
	experiences and evaluation.		living conditions, role and functioning of	PBL.
			community health centers),	
		•	Self-sufficiency in food,	Multimedia and inter-
		•	Modern agricultural practices- Agricultural	disciplinary
			management,	approach.
		•	Modern techniques of cultivation,	
			Conservation of natural resources,	Team teaching.
		•	Environmental awareness and Ensure	Deve testa vin a
			environmental sustainability.	Peer tutoring
		0	3.2. An introduction to aims & Objectives	
			of teaching Natural Science with respect to	
			NCF and KCF.	
		-	Relevant sections of NCF-Section 3.3	
			Science- basic criteria of validity of a science	
			curriculum, Section 3.3.1 The curriculum at	
			different stages. Section 3.3.2 Outlook.	
		-	Relevant sections of KCF-Section 5.2.2 &	
			Section 5.2.4 aims of science education.	
		•	3.3Taxonomy of Instructional Objectives-	
			Origin, Bloom's Taxonomy of Instructional	
			Objectives (1956), Classification by	
			NCERT, Mc Cormack and Yagar's	
			classification, Technology Integrated	
			Taxonomy – Peck & Wilson (1999), Revised	
			Blooms Taxonomy by Anderson and	
			Krathwohl (2001).	
		0	Objective based Instruction.	

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand appropriate methods, techniques and strategies of teaching Natural science. To develop skill in selecting appropriate methods, techniques and strategies of teaching Natural science. 	 Teacher initiated methods- Lecture method, Lecture cum Demonstration and Biographical method. Student initiated methods- Problem solving, Project method, Guided discovery, Experimental and heuristic method. Approaches- Inductive-Deductive, Multimedia, Interdisciplinary and Constructivist approaches. Techniques- Seminar, Group discussion, Debate, Brain storming, peer tutoring, team teaching, concept mapping. 	Meaningful verbal expression Group discussion Peer instruction Narrative expression sessions. Brain storming. Seminar. Reflective practices. PBL. Modular approach. Multimedia and interdisciplinary approach. Peer tutoring	 Participation in group discussion. Questioning. On-task behavior in class. Tests. Science diary. Daily reflective journal Participant observation.

UNIT IV METHODS AND STRATEGIES FOR TEACHING NATURAL SCIENCE (Theory hours-21)

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EDU- 05.9: PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS - NATURAL SCIENCE

(Theoretical discourses-50 Marks/60 hours & CE-25 Marks/30 hours)

OBJECTIVES :

Enable the student teachers to:

- comprehend the dimensions of pedagogical analysis.
- critically analyze the Secondary School Biology Syllabus based on pedagogical Content Knowledge.
- understand and apply the different skills for teaching Natural Science.
- understand and prepare teaching manuals based on different instructional strategies.
- understand the different teaching learning resources for teaching Natural Science.
- prepare and use suitable learning aids for Natural Science teaching.

CONTENTS

- Unit I : Pedagogic content knowledge and pedagogic analysis of Secondary School Biology Syllabus
- **Unit II** : **Types of planning** instruction, different approaches of designing lesson plans.
- Unit III : Teaching skills and its development.
- Unit IV : Design and development of teaching learning resources for enhancing science learning-visual, projected, non-projected and activity aids

	Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1	 To generate a knowledge of terminologies and the interdependence of teaching and learning. To familiarize and develop general and specific teacher competencies in analyzing content. 	 1.1.Pedagogic Content Knowledge (PCK) - Meaning, objectives, scope, principles and dimensions. 1.2. Pedagogiccontent analysis of secondary school syllabus prescribed by SCERT. 	Meaningful verbal expression Group discussion Narrative expression sessions in small or medium groups	 Performance assessment in group discussion Assessment of Optional Note Book entries Questioning Tests Peer evaluation

UNIT I -PEDAGOGICAL ANALYSIS OF TEACHING NATURAL SCIENCE (Theory hours -15)

3. To make Pedagogiccontent knowledge analysis of secondary school Biology syllabus.	Text Book analysis and peer instruction	• Student's portfolio
	F	

UNIT II - INSTRUCTIONAL PLANNING FOR TEACHING NATURAL SCIENCE (Theory hours-20)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To understand different types of	0	2.1 Meaning and importance of planning,	Discussions in small	٠	Performance assessment in
	planning.		Types of planning – Year plan, Unit plan,	or medium groups		group discussion
2.	To develop skill in designing		lesson plan and Resource Unit	Seminar.	•	Questioning
	lesson plans based on different	•	2.2 Designing lesson plans based on	Reflective practices.	•	Tests
	approaches.		Herbartian Approach& Constructivist	Debate.	•	Peer evaluation
			Approach.	PBL.	•	Lesson Plan

UNIT III - TEACHING SKILLS AND ITS DEVELOPMENT:

SCIENCE TEACHING SKILLS/ ESSENTIAL REQUIREMENTS OF TEACHING NATURAL SCIENCE (Theory hours 15)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To understand the different types	0	Teaching skills – Definition, Core teaching	Discussions in small	•	Performance assessment in
	of teaching skills.		skills, Components of teaching skills,	or medium groups.		group discussion
2.	To develop the teaching skills		Teaching skills specially required for Biology		٠	Assessment of performance in
	relevant to Biological science.		teacher.	Reflective practices.		brain storming,

3. To familiarize the different phases of micro teaching.	• Micro-teaching : Objectives, Micro-teaching cycle - its relevance in teacher training	Multimedia and	Symposium.Questio+ning
4. To develop skill in designing micro lessons.	programme.Importance of Link practice.	interdisciplinary approach.	TestsPeer evaluation
5. To develop skill in practicing micro lesson.	• 3.4 Design and development of micro lessons - practice and documentation with appraisal format to elicit feedback.	Team teaching. Peer tutoring Group discussion. Narrative expressions	 Assessing micro lessons Assessing micro teaching.

UNIT IV – RESOURCES IN TEACHING AND LEARNING OF NATURAL SCIENCE (Theory hours-10)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To understand the meaning and	•	4.1Design and development of materials	D	٠	Performance assessment in group
	definition of audio-visual aids		for effective science learning	Discussions in small		discussion, debate etc.
2.	To identify and comprehend the	•	4.2Audiovisual aids	or medium groups.	•	Assessment of assignments
	different types of audiovisual aids	•	Significance of audio visual aids in science	Seminar.	•	Questioning.
	in teaching Natural Science.		learning.		•	Tests
3.	To develop skill in improvisation.	-	Designing, developing and documenting	Reflective practices.	•	Peer evaluation
4.	To apply multimedia in teaching		minimum of one item for - improvised,	PBL.	•	Student's portfolio
	Natural Science.		Visual and graphic aids (Charts, Models,	FDL.	•	Evaluating the audio visual aids

5. To design and develop the teaching learning aids for Natural Science.	 Diagrams, Pictures, Posters). Projected and non- projected aids-OHP, LCD, Bulletin Board, Flannel Board, Interactive Board etc. Activity aids -Aquarium, Terrarium, and Nature Calendar. 4.3Collection and preservation of specimens. 	Multimedia and interdisciplinary approach. Peer tutoring.
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- HelaineSelin(1997): Encyclopedia of the History of Science, Technology and Medicine in Non-Western Culture: The Netherlands, Kluwer Academic Publishers.
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- NarenderaVaidhya, (2006). Science Teaching in School for the 21st Century ,deep and deep publications PVT, New Delhi.
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- Ahluwalia, S.L., Audio Visual Hand Book, Delhi: NCERT, 1967.
- Mangal, S.K. and Mangal, Uma, Essentials of Educational Technology, New Delhi: PHI Learning Private Limited, 2009.
- INTERNET REFERENCES
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- http://www.amazon.com/books/dp/0805863567
- http://ictevangelist.com/technological-pedagogical-and-conte.
- http://www.amazon.com/Lesson-Planning-Education-Books/b?ie=U..

EDU - 04.10 - THEORETICAL BASE OF SOCIAL SCIENCE EDUCATION

(Theoretical discourses-60 hours & CE – 30 hours)

Objectives:

- To familiarize with the conceptualized version of components required to enter in teaching profession
- To mould the prospective teacher educators to uphold the professional spirit
- To equip with varied dimensions of Social Science education
- To identify and analyse the aims and objectives of teaching Social Science
- To gain an outlook of approaches in behaviorism, constructivism and cognitivism in Social Science education
- To analyze the unique features of different instructional methods suited for teaching Social Science
- To identify and select most appropriate teaching- learning methods and strategies in varied context and content.

Contents:

Unit: 1 Introduction to Teaching and Learning Unit: 2 Nature, Scope and Development of Social Science Education Unit: 3 Aims and objectives of Teaching Social Science Unit: 4 Instructional Methods, Techniques and strategies in Social Science Teaching

Unit:1	Introduction to	Teaching a	nd Learning
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	Learning Outcome					Major concepts	Strategies & Approaches		Assessment
1	•	To familiarize	with	the	•	Teaching - profession and service, Principles	Meaningful verbal	•	Report writing and verification
		conceptualized	version	of		and Maxims of teaching, Instruction, Factors	presentation	•	Case analysis presentation
		components requ	ired to ente	er in		determine effective instruction, classroom	Brain storming		
		teaching professio	n			Interactions, Learner, Learning, Learning	Case analysis of 2/3		
							famous teachers		

2.	To mould the prospective teacher educators to uphold the professional spirit in diverse angles	•	laboratory. Teacher, Teacher as professional; Continuing Professional Development (CPD),Qualities and competencies of Social Science Teachers, Teacher responsibilities; multifarious roles: knowledge worker, facilitator, scaffolder, mentor, social engineer courselor reflective practitioner	
			engineer, counselor, reflective practitioner and digital migrant.	

- http://www.wikihow.com/Be-a-Professional-Teacher
- http://www.edpolicythoughts.com
- Kumar, S.P.K & Noushad, P.P. (2009). Social Studies in the Classroom: Trends and Methods.
- Kochhar, S.K. (2002). The Teaching of Social Studies.
- Aggarwal, J.C. (2003). Teaching of Social Studies: A Practical Approach.
- Ehman & Patrick (1974). Towards Effective Instruction in Social Studies. USA: Houghton Miffn.
- Dash, B. N.(1998). Content cum Methods of Teaching Social Studies. Ludhiana: Kalyani Publishers.
- Edigar, M. & Rao, B. (2003). Teaching Social Studies Successfully. New Delhi: Discovery Pub. House.
- Bining, A.C & Bining, D.H. (1952) Teaching Social Studies in Secondary Schools.New York: McGraw Hill

Unit: 2 Nature, Scope and Development of Social Science Education. (10 Hrs + 4 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To acquaint with the basic concepts of Social Science as a	• Conceptual background of Social Science, Meaning and Scope, Need and significance	Meaningful verbal learning	Preparation of report on teacher Presentation
discipline	 Content organization treatment of Social 	Participatory	resentation
2. To identify subject matter	Science- Fusion, Integration and Correlation within Social Science- Understanding about	approach	

organization process in Social Science- Fusion, Integration & Correlation	Primary, Secondary and Higher Secondary levels (Social Studies, Social Science and Humanities)	-	
 To analyze the relationship of Social Science with other subjects 	• Correlation of Social science with other subjects- Language & Science		

- www.empoweringvision.org
- http://serc.carleton.edu
- http://www.ecosensorium.org
- Aggarwal, J.C. (1996) A Practical Approach. New Delhi : Vikas Publishing House Pvt. Ltd.
- Kumar, S.P.K & Noushad, P.P.(2009). Social Studies in the Classroom: Trends and Methods.
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- Aggarwal, J.C. (2003). Teaching of Social Studies: A Practical Approach.
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- Dash, B. N.(1998). Content cum Methods of Teaching Social Studies. Ludhiana: Kalyani Publishers.
- Edigar, M. & Rao, B. (2003). Teaching Social Studies Successfully. New Delhi: Discovery Pub. House.
- Bining, A.C & Bining, D.H. (1952) Teaching Social Studies in Secondary Schools. New York: McGraw HillPrimary, Secondary and Higher Secondary (Social Science) text books of SCERT and NCERT.

UNIT : 3	Aims and objectives of Teaching Social Science
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Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To identify and analyze the aims and objectives of teaching Social Science	Aims, objectives and values of teaching Social Science	General discussion Analytical study	 Comparison chart on Basic concepts of Behaviorism, constructivism and cognitivism
•	Individual, Social, Cultural, National and		

2. To endow with the significance of Taxonomy of	International considerations of Social Focus groups Science discussion	
 3. To gain an outlook of approaches in behaviorism, constructivism and cognitivism in Social Science education 	 Bloom's taxonomy of Instructional objectives (Revised)- Instructional objectives and specifications. Behaviorism Cognitivism and 	seminar n PPT n the gical ons in the eal practices

- http://www.unco.edu/cetl/sir/stating_outcome/document
- http://ci484-learning-technologies.wikispaces.com/Behavioris.
- Chauhan, S.S (2006) Advanced Educational Psychology, New Delhi
- Mangal.S.K(2007) Human Development and Learning, Crow.L.D & Crow Alice(2008)
- Entwistle, N.J. (1987). Understanding Classroom Learning. London: John Wiley
- Freire, Paulo. (1998). Pedagogy of the Oppressed. USA: Continuum Pub. Co.
- Gardner, H. (1983). Frames of Mind: The Theory of Multiple Intelligences. New York: Basic Books
- Goleman, D. (1995). Emotional Intelligence. New York: McGraw Hill.
- Kincheloe, J. (2008). Critical Pedagogy (2nd Edn.) New York: Peter Lang.
- NCF(2005), KCF(2007)
- N.C.E.R.T. (1989). Instructional objectives of school subjects. New Delhi: N.C.E.R.T
- Bining, A.C & Bining, D.H. (1952) Teaching Social Studies in Secondary Schools. New York: McGraw Hill
- Clark, L.H.(1973). Teaching Social Studies in Secondary Schools.(2nd Ed.)New York:McMillan.
- Aggarwal, J.C. (2003). Teaching of Social Studies: A Practical Approach.
- Ehman & Patrick (1974). Towards Effective Instruction in Social Studies. USA: Houghton Miffn.
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- Kumar, S.P.K & Noushad, P.P. (2009). Social Studies in the Classroom: Trends and Methods.

- Bloom, B. S. (956). Taxonomy of Educational Objectives: Cognitive Domain. New York: David Mckay Co.
- Gronlund, N.E(1970) Stating Behavioural objectives for class room instruction.London:MacMillan
- Krathwohl.et.al, Taxonomy of Educational Objectives, Hand Book II: Affective Domain. McKay: New York.
- Anderson, W, L and Krathwohl, D, R, A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives. Allyn & Bacon: Boston.

UNIT 4: Instructional Methods, Techniques and Strategies
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Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To analyze the unique features of different instructional methods suited for teaching Social Science To proficient in select most appropriate teaching methods in varied context and content. 	 Need and significance of methods and strategies for teaching Social Science. Differentiate method, technique and strategy Methods- Lecture, storytelling, Discussion, Socialized recitation, Problem solving, Project, Source method, Supervised study. Cooperative learning, Collaborative learning, Scaffolding, Brain storming, Buzz session, Debate, Seminar. 	Seminar Debate Project	Report presentation & verification

- www.books.google.co.in
- www.flipkart.com
- http://www.celt.iastate.edu/creativity/techniques.html
- Aggarwal, J.C. (1996) A Practical Approach. New Delhi : Vikas Publishing House Pvt. Ltd.
- Alexey Semenov, UNESCO, (2005): Information and Communication Technologies in Schools: A Handbook for Teachers.
- Kumar, S.P.K & Noushad, P.P. (2009). Social Studies in the Classroom: Trends and Methods.
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EDU – 05.10 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – SOCIAL SCIENCE.

(Theoretical discourses – 60 hours & CE – 30 hours)

Objectives

- To understand the key aspects involved in systematic PCK analysis
- To develop skill in analyzing the content of secondary level Social Science text book
- To justify the importance and phases of instructional planning in Social Science
- To equip prospective teacher educands in developing teaching skills through micro teaching practices
- To conscientize the inevitable role of various instructional support in effective instructional practices.
- To become competent in developing suitable testing mechanisms.

Contents

- Unit 1 Introduction to Pedagogical content knowledge analysis
- Unit 2 Instructional Planning and Designing Lesson Templates
- Unit 3 Essential Requirements for Teaching Social Science Education
- Unit 4 Instructional Resources in Teaching and Learning of Social Science

Unit : 1 Nature and Scope of Pedagogical content knowledge analysis

	Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1.	To understand the key aspects	• Pedagogical content knowledge analysis	Narrative expression	Content analysis presentation
	involved in systematic PCK	(PCK) -Meaning, Scope, Features of PCK	session	• Brief report on text book
2	analysis	analysis, significance of PCK analysis in Social Science.	Text book analysis	analysis
2.	To establish relationship between pedagogic knowledge with content analysis	• Relationship between pedagogic analysis with content analysis Content Analysis –	Collaborative learning Discussion- Prepare	

3. To develop skill in analyzing the content of secondary level Social Science text books		student teacher after	
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- http://www.csun.edu/science/ref/pedagogy/pck/
- http://en.wikipedia.org/wiki/Technological_Pedagogical
- Aggarwal, J.C. (1996) A Practical Approach. New Delhi : Vikas Publishing House Pvt. Ltd.
- Kumar, S.P.K & Noushad, P.P. (2009). Social Studies in the Classroom: Trends and Methods.
- Kochhar, S.K. (2002). The Teaching of Social Studies. New Delhi: Sterling.
- Dash, B. N.(1998). Content cum Methods of Teaching Social Studies. Ludhiana: Kalyani Publishers.
- Pathak R.P.(2012).Teaching of social studies. Pearson, Delhi
- Edigar, M. & Rao, B. (2003). Teaching Social Studies Successfully. New Delhi: Discovery Pub. House
- Social Science text book of standard 8,9 & 10 of Kerala
- Teachers' Hand book in Social Science for standard 8,9 &10
- Varma, O. P. & Vedanayagam, E. G. (1993). Geography Teaching. N. Delhi: Sterling.
- Cornwell, R. D. (1985). World History in the Twentieth Century. England: Longman.
- Joshi, P. S., Gholkar S.V. (1983). History of Modern India. N. Delhi: S.Chand & Company Ltd.
- Kaur, Dhian & Chandana, R. C. (ed.) (2006). The Earth: Ludhiana: Kalyani Publishers.
- Singh R. L., Singh, Rana, P. B. (2002). Elements of Practical Geography. N. Delhi: Kalyan Publishers.

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To justify the importance and phases of instructional planning in Social Science discipline To capacitate systematic planning and designs lesson transcripts To develop skills in preparing lesson transcripts 	 Instructional planning –Importance, Phases, Types - Year plan, Unit plan, Lesson plan Procedure for the Preparation of year plan, unit plan and lesson plan Designing Lesson Transcripts 	Group discussion Co-operative learning Meaningful verbal learning Prepare model year plan, Unit plan & lesson transcripts. Video/ Demo lesson observation	 Discussion lessons -5 Demonstration lessons -3 Criticism lessons -5 (Practical evaluation) Video lesson observation and reporting (CE- Edu.05)

Unit: 2 Instructional Planning and Designing Lesson Transcripts

- http://answers.yahoo.com/question/
- http://www.ierg.net/**lesson**plans/**unit_**plans.php
- Green, G.H. (1987). Planning the Lesson. London: Longman
- http://en.wikipedia.org/wiki/Wiki
- Kumar, S.P.K & Noushad, P.P.(2009). Social Studies in the Classroom: Trends and
- Methods.
- Bining, A.C & Bining, D.H. (1952) Teaching Social Studies in Secondary Schools.
- New York: McGraw Hill
- Clark, L.H.(1973). Teaching Social Studies in Secondary Schools.(2nd Ed.)New York:
- McMillan.
- Green, G.H. (1987). Planning the Lesson. London: Longman
- http://en.wikipedia.org/wiki/Wiki

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To equip prospective teacher educands in developing teaching skills through micro teaching practices To generate skill orientation among prospective teacher educands through practical experiences 	 Essential requirements – Teaching Competencies and Skills. Micro teaching - Meaning, Phases, steps. Micro teaching skills – (minimum 10 skills) Micro teaching – Lesson templates, Practice and assessment mechanisms. Skills in using ICT Link practice 	Experiential learning Demonstration Reflective practices General discussion Demonstration method Analysis of video performance	 Micro teaching lesson notes/plans (Ten skills/ 2 skills per student) Performance in skill presentation (Practical evaluation)

- http://www.scribd.com/doc/24590843/Micro-Teaching-Skills
- Allen,D & Ryan, K (1969). Micro teaching. London: Adison Wesley
- Aggarwal, J.C. (1996) A Practical Approach. New Delhi : Vikas Publishing House Pvt. Ltd.
- Dave, Pushkin (2001) Teacher Training. Californio : ABC CLIO
- Kochhar, S.K. (1985). Methods and Techniques of Teaching. New Delhi : Sterling Publishers Pvt. Ltd.,
- Cooper, James M(1990) Classroom teaching skills.US: DC Health & Co

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To conscientize the inevitable role of various instructional support in effective instructional practices. To acquire skills in constructing and using different instructional aids. 	 Instructional Resources: textbook, workbook, handbook, source book. Resource Mapping Instructional aids: Importance, educational values, classification of learning aids: projected, Non-projected and activity aids. Hands on experience: Computer, LCD Projector, Interactive white board and multi media 	General discussion Workshop Displays Prepare resource map for effective utilization in Social Science	 Handling of various instructional aids. Social Science club activity- Workshop to prepare a source book or innovative instructional aid/ Resource map (CE- Edu.05)

- Skinner, B. F. (1968). The Technology of Teaching. New Jersey: Prentice Hall.
- Kilpatrick, W. H. (1969). The Project Method. New York: Teachers' College Press
- Aggarwal, J.C. (2003). Teaching of Social Studies: A Practical Approach. Mumbai:
- Vikas Publishing House.
- Kumar, S.P.K & Noushad, P.P. (2009). Social Studies in the Classroom: Trends and
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- Entwistle, N.J. (1987). Understanding Classroom Learning. London: John Wiley
- Skinner, B. F. (1968). The Technology of Teaching. New Jersey: Prentice Hall.
- http://religionmanuals.tpub.com/14229/css/14229_322.htm .
- http://en.wikipedia.org/wiki/Wiki

EDU – 04.11 : Theoretical Base of Geography Education

Hours of interaction: 60 (instruction) +30 (activities / processes)

Objectives :

- To familiarize with the conceptualized version of components require to enter in teaching profession
- To mould the prospective teacher educators to uphold the professional spirit
- To acquaint with the nature, scope and modern concepts of Geography
- To understand the new perspectives of Geography along with its correlative and nationalistic views
- To identify and analyze the aims objectives and values of teaching Geography
- To identify the need of objective based instruction
- To analyze the unique features of different instructional methods, suited for teaching Geography instruction
- To identify and select the most appropriate teaching- learning methods and strategies in varied context and content.

Contents :

- Unit 1 : Introduction to Teaching and Learning of Geography
- Unit 2 : Nature, Scope and Development of Geography Education
- Unit 3 : Aims and Objectives of Teaching Geography
- Unit 4 : Methods and Strategies in Geography instruction

Unit. 1 Introduction to Teaching and Learning of Geography (16 hours + 6 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To familiarize with the conceptualized version of	 Teaching – nature, significance, principles Learning – as a process, features, laws and 	Meaningful verbal presentation	Report writing and verification
components required to enter in teaching profession	 Learning – as a process, reatures, raws and learning environment Students in a class- nature, role and mind set 	Brain storming Case analysis of 2 or	Case analysisIdentification and presentation

educators to uphold the professional spirit . To develop professionalism and professional ethics among	 of learners Constructivist teaching and learning Geography Teacher Personal qualities and different roles Professional qualities and competencies Professional ethics 	3 famous teachers Buzz session to generate varied role of an ideal teacher Lecture Discussion Online learning	Assessment and reflection
	 Programmes for improving professional efficiency As Continuing Professional Development (CPD) and reflective practitioner and digital migrant 	Internet access	

- http://www.wikihow.com/Be-a Professional Teacher
- http://www.ed.policythoughts.com
- Edigar, M and Rao. B (2003). Teaching Social studies successfully. New Delhi: Discovery Publishing House
- Arora M.L (1979) Teaching of Geography, Prakash Brothers, Ludhiana
- Gopill G.H (1966) Teaching of Geography, Macmillaa, London
- Verma O.P , Vedanayagam E.G (1987) Teaching of Geography, Sterling Publishers Pvt Ltd. New Delhi
- Gardner.H (1983) Frames of Mind. The Theory of Multiple Intelligences. New York. Basic Books
- Kincheloe. J (2008) Critical Pedagogy. 2nd Edition. New York Peter lang.
- Fosnot. C(1996) Constructvism; Theory perspectives and Practices. New York; Teachers college Press
- Roblyer. M.D. (2008) Integrating Educational Technology into Teaching: New Delhi; Pearson.
- Elizabeth Perrot (1982), Effective Teaching Singapore: Longman
- Donald. P.K & Paul D.E (2007) Learning and Teaching USA: Pearson Education

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquaint with the meaning, nature, scope and modern concepts of Geography To identify the subject matter organization process in social science To analyze the correlation of Geography with other subjects To understand the new perspectives of Geography and its nationalistic views 	 Meaning, definition, nature and scope of Geography Need, significance and modern concepts of Geography Geography as a fused, integrated and correlated discipline Correlation of Geography with other social sciences, sciences, languages and life situations Geography and, National Integration and International Understanding New perspectives in Geography Systematic/ scientific Geography Earth science/ Environmental science Science of Aerial / Spatial / Regional differentiation 	Meaningful verbal learning Participatory approach Co-operative learning Discussion Brain storming Lecture Web search	 Preparation of report on teacher presentation Internal tests for Unit 1& 2(CE-1) Assessment /reflection
		Online learning	

Unit. 2 Nature, Scope and Development of Geography Education (11 Hours + 6 Hours)

- www. empowering vision.org
- http://serc.carleton.edu
- http://www.ecosensorium.org
- AroraM.L (1979) Teaching of Geography, Prakash Brothers, Ludhiana
- Gopill G.H (1966) Teaching of Geography, Macmillan, London
- Garnett, Olive (1967) Fundamentals in school Geography. Harrap and Company, London
- VermaO.P, and Vedanayagam. E.G (1987) Teaching of Geography, Sterling Publishers Private Limited, New Delhi

- UNESCO Source Book for Geography Teaching (1982), London. Logman's Green and Company
- Prasad Jagdish (1982), Teaching of Geography, Vinod Pustak Mandir, Agra
- Singh H.W (1985) Teaching of Geography, Vinod Pustak Mandir, Agra
- Secondary and Higher Secondary Textbooks of SCERT/ NCERT

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To identify and analyze the aims objectives and values of teaching Geography To identify the need of objectives based instruction To familiarize with the taxonomy of instructional objectives in Geography Education To gain an outlook of constructivist, and behaviourist approaches in Geography Education and their implications 	 Aims, objectives, values- definition and meaning Objectives based instruction and its need Learning objectives and learning outcomes Aims, objectives and values of teaching Geography Bloom's Taxonomy of Educational objectives old and revised patterns-instructional objectives and specifications Behaviourism cognitivism and constructivism Implications of theories of Piaget, Bruner, Vygotsky and Howard Gardner in Geography teaching and learning 	Meaningful verbal learning Discussion Brainstorming Analytical study Group investigation Present Assignments and prepare notes Lecture Web search Internet access	 Report presentation and verification Assessment/ reflection

- http://www.unco.edu/cetl/sir//statingoutcome/document
- Bloom, B.S (1956), "Taxonomy of Educational objectives" Cognitive Domain. New York: David Mckay. Co.
- Krathwohl.et.al., Taxonomy of Educational objectives, Hand book II: Affective Domain: Mckay: New York
- Anderson, W.L and Krathwohl., D, R, A Taxonomy for Learning, Teaching and Assessing: A Revision of Bloom's Taxonomy of Educational objectives, Allyn & Bacon: Boston.
- Gronlund, N.E (1970). Stating Behavioural Objectives for classroom instruction. London: MacMillan
- NCERT (1989). Instructional objectives of school subjects. New Delhi : NCERT
- Aggarwal. J.C (1996) Teaching of Social Science A practical Approach: New Delhi, Vikas Publishing house Pvt. Ltd.
- Chauhan.S.S. (2006) Advanced Educational Psychology, New Delhi
- Mangal S.K (2007) Human Development and Learning Crow. L.D and Crow Alice
- Entwistle N.J (1987) Understanding classrrom Learning London: John Wiley
- Freire, Paulo (1998) Pedagogy of the oppressed, USA : continuum pub. Com
- Gardner.H (1983) Frame of Mind: The Theory of Multiple Intelligence. New York: Basic Books
- Goleman, D (1995) Emotional Intelligence. New York: Mcgraw Hill
- Kincheloe.J (2008) Critical Pedagogy (2nd Edition) New York: Peter Lang
- NCF (2005), KCF (2007)

Unit 4 Methods and Strategies in Geography Instruction (16 hours + 8 Hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To analyze the unique features of different methods suited for Geography instruction To develop proficiency in selecting suited methods and strategies in varied contest and content in Geography education 	 Methods of teaching Geography Need, significance, importance Lecture. Discussion/ Project, Source, story- telling, Regional method Debate, seminar Instructional strategies in Geography Meaning, purpose characteristics Strategies based on NCF/ KCF Various techniques of instruction in 	Discussion Seminar Buzz session Verbal learning Debate Collaborative learning Comparing different method & strategies • Group	 Report presentation and verification Seminar preparation presentation and report CE.2 Assessment/ reflection

3. To differentiate methods strategies and techniques of Geography instruction	 Observation/ Narration/ Dramatization Co-operative/ collaborative learning Brainstorming and Peer, tutoring 	discussion and prepare notes Present assignments Internet access Web search
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- www. books google.co.in
- www.flipkart.com
- http://www.celt.iastate:edu/creativity/techniques.html
- Alexey Semenov, UNESCO (2005) Information and Communication Technologies in Schools: A hand book for Teachers.
- Roblyer M.D (2008) Integrating Educational Technology into Teaching. New Delhi: Pearson
- Fitchman & Silva (2003) The Reflective Educator's Guide to classroom Research. California: corwin Press, Inc
- Entwistle N.J (1981) Style of Learning and Teaching London: John Wiley and sors
- Fosnot. C (1998) Constructivism: Theory Perspective and Practice. New York: Teacher's college Press

EDU – 05.11 : Pedagogical Content Knowledge Analysis- Geography

/Hours of Interaction -60 (Instructional) +30 (activities/Process)

Objectives :

- To understand the key aspects involved in systematic PCK analysis
- To develop skills in analyzing the content of Secondary level Geographic content materials
- To justify the importance and phases of instructional planning in Geography
- To equip prospective teacher educands in developing teaching skills through micro- teaching practices
- To conscientize the inevitable role of various instructional support in effective instructional practices.
- To become competent in developing suitable testing mechanisms

CONTENTS :

- Unit 1 : Introduction to Pedagogic Content Knowledge Analysis
- Unit 2 : Instructional Planning and Designing Lesson Templates
- Unit 3 : Essential Requirements for Teaching Geography
- Unit 4 : Instructional Resources in Teaching and Learning of Geography

Unit 1. Introduction to Pedagogic Content Knowledge Analysis (16 Hours + 7 Hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand the key aspect involved in systematic PCK analysis To establish relationship between Pedagogic knowledge with content analysis To develop skill in analyzing the 	 Pedagogic content Knowledge (PCK) analysis – Meaning, definition, objectives scope, Significance and dimensions Relationship between PCK and Content analysis identifying facts, concepts, principles etc. Content analysis of secondary level 	Narrative expression Assignment Meaningful verbal learning Textbook analysis Collaborative learning	 Assessment of learning process and reflections Brief report on text book analysis Content analysis presentation

content of secondary level Geography and Economics content materials	Geography and Economic content materials	Group discussion Prepare content analysis of a unit by each student after discussion	
		Web search	
		Internet access	

- www. Moodle.org
- http://www.csun.edu/Science/ref/pedagogy/pck
- http://en.wikipedia.org/wiki/technological pedagogical
- Barnard.H.C (1963) Principles and Practices of Teaching Geography, Bihar Hind Grandh Academy, Patna
- Prasad Jagdish (1982). Teaching of Geography, Vinod Pustak Mandir, Agra
- Singh.H.W (1985). Teaching of Geography, Vinod Pustak Mandir, Agra
- Robin Alexander (2008) Essay on Pedagogy.USA: Routledge
- Arora M.L (1970). Teaching of Geography, Prakash Brothers, Ludhiana
- Social science II textbook of std. 8, 9 & 10 of Kerala
- Kaur, Dhian & Chandana; P.C (2006). The Earth: Ludhiana: Kalyani Publishers
- Singh R.L, Singh, Rana, P.B (2002). Elements of Practical Geography. New Delhi: Kalyan Publishers
- Philp. M Anderson (2009) Pedagogy. New York: Peter Lang Publishing, Inc.

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To justify the importance and phases of Instructional Planning in Geography To capacitate systematic planning and designs of lesson templates To develop skills in preparing lesson templates 	 Planning for instruction – need and importance Types of plan – Year Plan, unit plan/ Syllabus grid, Resource Plan- their need, significance steps and procedure for preparation Lesson templates/ Teaching Manuals – Need characteristics, principles, values and advantages Designing / format and steps in criticism 	Group discussion Co- operative learning Meaningful verbal learning Prepare model year plan/ unit plan Prepare script for video lesson Prepare ICT enabled lesson Video lesson / demonstration classes -observation Online learning Web search	 Discussion lesson Videos observation Script for video lesson ICT enabled lesson plans Demonstration lesson Criticism lesson (practical evaluation) Internal Test (Unit 1 & 2) CE-1

Unit 2. Instructional Planning and Designing Lesson Templates (19 Hours + 8 Hours)

- http://answers . yahoo.com/question ٠
- http://www.ierg.net/lessonplans/unit plans.php ٠
- Geography textbook of standard 8-10th of Kerala state /Teachers Hand book in Geography for standards 8, 9 & 10
- Green. G.H (1978) Planning the lesson, London; Longman .
- http://en.wikipedia.org/wiki/wiki ٠
- Sigh. R.L, Singh, Rana, P.B (2002) Elements of Practical Geography: New Delhi, Kalyan Publications NCERT: Standard 11th 12th Geography textbook ٠
- •

- NCERT: Geography practical text book
- Verma. P.O and Vedanayagam, E.G. (1987), Teaching of Geography Sterling publishers private limited, New Delhi

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To equip prospective teacher educators in developing teaching skills through micro- teaching practices To generate skill orientation among prospective teacher educands through practical experiences To familiarise with the basic requirements for learning 	 Requirements for learning –process skills and pre- requisites Student skills and student efforts in learning Teaching- learning skills and competencies Skills in using ICT Micro- teaching Meaning, concepts, principles Phases, steps, skills Link practices Lesson templates, practice and assessment mechanisms 	Demonstration Reflective practices General discussion Analysis of video performance Experimental learning Web search Online learning	 Micro- teaching lesson notes/ plans (Ten skills) one skill per student Performance in skill presentation (practical evaluation) Assignments

Unit 3. Essential Requirements for Teaching Geography (14 Hours + 6 Hours)

- http://www.scribd.com/doc/24590843/micro-teaching skills
- Allen, D and Ryan. K(1969) Micro teaching. London. Adison Wesley
- Kochhar. S.K (1985). Methods and Techniques of Teaching New Delhi: Sterling publishers PVt. Ltd
- Varma. O.P & Vedanayagam E.G, (1993), Geography teaching, New Delhi, sterling Publishers
- Edgar. M & Rao. B (2003) Teaching social studies successfully, New Delhi: Discovery Publishing House
- Dave, Pushkin (2001). Teacher Training California: ABC CL 10
- Cooper, James. M (1990). Classroom Teaching Skills. US: DC Health. Co

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To conscientize the inevitable role of various instructional support in effective instructional practices To acquire skills in constructing and using different instructional aids To familiarize with the basic resources for teaching Geography 	 Instructional Resources- need, significance, values and types Local resources and its importance in Geography Text book – importance, characteristics and criterion for selection Hand books, Sourcebooks, Workbooks, Reference books Graphic aids – charts graphs, picture, maps, atlas 3D- aids –globe, models, relics Audio/ AVaids- Radio, TV, film, computers Display boards- chalkboard, bulletin boards, Interactive board Projected aids- OHP, LCD, Video Activity aids – Excursion, field trips 	Demonstration Illustration General discussion Workshop Displays Lecture Observation Preparing assignments Internet access Web search	 Handling of various instructional aids Seminar (preparation presentation and report) CE-2 Observe and practice usage of learning aids during school induction programme and practice teaching Working for preparation of innovative learning aids/ instructional resources

Unit 4. Instructional Resources in Teaching and Learning of Geography (14 Hours + 6 Hours)

- http://e.wikipedia.org/wiki/wiki Anora. M.L (1979) Teaching of Geography, Prakash Brothers, Ludhiana
- Gopill. G.H (1966) Teaching of Geography, Macmillan, London
- Varma O.P & Vedanayagam, E.G (1993 Geography Teaching, New Delhi, Sterling Publishers
- UNESCO Source book in Geography Teaching (1982), London, Longman's Green and company
- Barnard. H.C. (1963), Principles and Practices of Teaching Geography Bihar Hindi. Grandh Academy, Patna
- Singh. EW (1985) Teaching of Geography, Vinod Pustak Mandir, Agra
- Skinner, B.F (1998). The Technology of Teaching New Jerse, Prentice Hall
- Entwistle. N.J (1982) Understanding classroom learning London: John Wiley

EDU- 04.12 – THEORETICAL BASE OF COMMERCE EDUCATION

(Theoretical discourses - 60 Hrs + CE- 30 Hours)

Objectives

- To familiarize with the conceptualized version of components required to enter in teaching profession
- To mould the prospective teacher educators to uphold the professional spirit in diverse angles
- To equip with varied dimensions of commerce education strands
- To compete with constructs aims and objectives of teaching commerce
- To gain an outlook of key ideology in the psychological bases in commerce education
- To analyze the unique features of different instructional methods suited for teaching commerce
- To proficient in select most appropriate teaching methods in varied context and content
- To opt and practice apposite techniques to extract process and product in commerce teaching
- To interlock 'strategies in teaching' in effective instructional practices of commerce education
- Contents :
- Unit: 1 Introduction to Teaching and Learning
- Unit: 2 Nature, Scope and Development of Commerce Education
- Unit: 3 Aims and objectives of teaching Commerce
- Unit: 4 Instructional Methods, Techniques and strategies in Commerce Teaching
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Unit: 1	Introduction to Teaching and Learning (14 Hrs + 6 Hrs)
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Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To familiarize with the	• Teaching - profession and service, Principles	Meaningful verbal	Idea generating exercises
conceptualized version of	and Maxims of teaching, Instruction, Factors	presentation	Case analysis presentation
components required to enter in	determine effective instruction, classroom	Brain storming	
teaching profession	Interactions, Learner, Learning, Learning	Case analysis of 2/3	
	environment, classroom as a social	famous teachers	
	laboratory.	Buzz session to	

2. To mould the prospective teacher	•	Teacher, Teacher as professional; Continuing	generate varied roles
educators to uphold the		Professional Development (CPD), Teacher	of an ideal teacher
professional spirit in diverse angles		responsibilities; multifarious roles:	
		knowledge worker, facilitator, scaffolder,	
		mentor, social engineer, counselor, reflective	
		practitioner and digital migrant.	

Unit: 2 Nature, Scope and Development of Commerce Education. (12 Hrs + 7 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquaint with the basic concepts of commerce as a discipline To equip with varied dimensions of commerce education strands. To integrate essential inter disciplinary attributes in commerce education. 	education. Interdisciplinary approach in Commerce	ApproachesMeaningful verballearningParticipatoryapproachOpen forumdiscussionCo- operativelearningDiscussion	 Preparation of report on teacher Presentation Comparison grid preparation - Correlation of Commerce education with other subjects
	Education Correlation of Commerce education with other subjects – Geography, Mathematics, Economics, and Statistics.		

UNIT: 3	Aims and objectives of Teaching Commerce (14 Hrs + 10 Hrs)
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Learning Outcome	Learning Outcome Major concepts		Assessment
1. To compete with constructs aims	Aims of Teaching Commerce	General discussion	• Comparative analysis - Bloom's
and objectives of teaching commerce	 General objectives of teaching commerce Placer's toyon only of Instructional 	Analytical study	taxonomy of Instructional objectives traditional with
 To endow with the significance of Taxonomy of instructional objectives in commerce education. 	 Bloom's taxonomy of Instructional objectives (Revised) Objectives –NCERT Curricular objectives and Principles of framing curricular objectives. 	Group investigation Focus group discussion	Revised one

UNIT 4: Instructional Methods, Techniques and Strategies (20 Hrs + 7 Hrs)

	Learning Outcome		Major concepts	Strategies & Approaches		Asse	ssment	
1.	To analyze the unique features of	•	Methods of teaching - criteria for selecting	Seminar	•	Report p	presentation	&
	different instructional methods suited for teaching commerce		appropriate instructional methods, Lecture Method, Project method, socialized methods	Debate		verification		
2.	To proficient in select most		– Group discussion, seminar, debate, symposia, workshop, Problem solving	Buzz session				
	appropriate teaching methods in varied context and content.		method, Case study, Source method, Inductive and Deductive, Analytical and	Quiz session				
3.	To opt and practice apposite techniques to extract process and	•	Synthetic method. Techniques of Teaching – Drill, Brain	Problem solving method				
	product in commerce teaching		storming, Role play, Review, Dramatization, Buzz session, simulation, Quiz session.	Project method				
		٠	Instructional strategies - Co operative					
			learning strategies, Collaborative learning					
			strategies, Scaffolding strategies.					

- Aggarwal, J.C. (1996) A Practical Approach. New Delhi : Vikas Publishing House Pvt. Ltd.
- Anderson, W. L and Krathwohl, D, R, A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives. Allyn & Bacon: Boston.
- Bloom, B. S. (956). Taxonomy of Educational Objectives: Cognitive Domain. New York: David Mckay Co.
- Gronlund, N.E(1970) Stating Behavioural objectives for class room instruction. London: MacMillan
- Krathwohl.et.al, Taxonomy of Educational Objectives, Hand Book II: Affective Domain. McKay: New York.
- Kumar, Mahesh (2004). Modern teaching of commerce. New Delhi: Anmol Publications Ltd
- N.C.E.R.T. (1989). Instructional objectives of school subjects. New Delhi: N.C.E.R.T
- Raj, Rani Bansal (1999). Models of teaching and concepts of learning. New Delhi: Anmol Publications.
- Raj, Rani Bansal (1999). New trends in teaching of Commerce: Models of teaching and concepts of learning. New Delhi: Annol Publications.
- Rao, Digumarti Bhaskara (2006) Methods of teaching commerce(2006). New Delhi: Discovery publishing house
- Rao, Seema(2005) Teaching of Commerce. New Delhi: Anmol Publications Ltd
- Singh, V.K (2006). Teaching of Commerce. New Delhi: A.P.H.Publishing corporations.

EDU – 05.12: PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – COMMERCE

(Theoretical discourses- 60 Hrs + CE- 30 Hrs)

Objectives

- To understand the key aspects involved in systematic PCK analysis
- To develop skill and competencies in analyzing the content of higher secondary commerce text book
- To justify the importance and phases of instructional planning in commerce discipline
- To analyze the essential pre requisites/requirements for teaching commerce education
- To capacitate systematic planning and to develop skills in designing lesson templates
- To equip prospective teacher educands in developing teaching skills through micro teaching practices
- To conscientize the inevitable role of various instructional resources in effective instructional practices.

Contents :

- Unit 1 Introduction to Pedagogical content knowledge analysis
- Unit 2 Instructional Planning and Designing Lesson Templates
- Unit 3 Essential Requirements for Teaching Commerce Education
- Unit 4 Instructional Resources in Teaching and Learning of Commerce

Unit: 1 Nature and Scope of Pedagogical content knowledge analysis (11 Hrs + 6 Hrs)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment
1.	To understand the key aspects	•	Pedagogical content knowledge analysis	Narrative expression	•	Pedagogic Content Knowledge
	involved in systematic PCK		(PCK) -Meaning, Scope, Features of PCK	session		analysis presentation
2	analysis To be capable of establishing		analysis, significance of PCK analysis in commerce discipline.	Text book analysis	•	Brief report on higher secondary text book analysis
2.	relationship between pedagogic with content analysis	•	Relationship between pedagogic with content analysis Content Analysis – Procedure, facts, concepts, principles,	Collaborative learning Discussion		

-	3.	To develop skill in analyzing the		process, rules, equations.	Self directed learning
		content of higher secondary	•	Content analysis of higher secondary	
		commerce text book		business studies and accountancy text book.	

Unit: 2 Instructional Planning and Designing Lesson Templates (20 Hrs + 12 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To justify the importance and phases of instructional planning in commerce discipline	 Instructional planning –Importance, Phases, Types - Year plan, Unit plan, Lesson plan, Resource unit 	Descriptive method Group discussion	 Discussion lessons (5 Nos) Video observation (2 Nos) Script for video lesson(1 No)
 To capacitate systematic planning and designs lesson templates To develop skills in preparing lesson plan 	 Procedure for the Preparation of year plan, unit plan and lesson plan Designing Lesson Templates – Business Studies and Accountancy. 	Demonstration method Co-operative learning Meaningful verbal learning	 Script for video lesson(1 No) ICT enabled lesson plan(1 No) Demonstration lessons(3 Nos) Criticism lessons(5 Nos)

Unit: 3 Essential Requirements of Teaching Commerce Education (16 Hrs + 6 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To equip prospective teacher educands in developing teaching skills through micro teaching practices	 Essential requirements – Teaching Competencies and Skills. Micro teaching - Meaning, Phases, steps. Micro teaching – Lesson templates, Practice 	Experiential learning Demonstration Reflective practices	 Micro teaching lesson notes/plans (Ten skills/1 skill per student) Performance in skill presentation

2.	To generate skill orientation	and assessment mechanisms.	General discussion
	among prospective teacher educands through practical experiences	• Skills in using ICT	Demonstration method
	experiences	• Link practice.	Analysis of video
			records

Unit: 4 Instructional Resources in Teaching and Learning of Commerce (13 Hrs + 6 Hrs)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To conscientize the inevitable role of various instructional support in effective instructional practices. To acquire skills in constructing and using different instructional aids. 	 Instructional Resources: textbook, workbook, handbook, source book. Resource Mapping Instructional aids: Importance, educational values, classification of learning aids: projected, Non-projected and activity aids. Hands on experience: Computer, LCD Projector, Interactive white board and multi media 	Illustration Demonstration General discussion Workshop Displays Demonstration	 Text book analysis Workbook preparation Handling of various instructional aids

- Aggarwal, J.C. (1996) A Practical Approach. New Delhi : Vikas Publishing House Pvt. Ltd.
- Allen,D & Ryan, K (1969). Micro teaching. London: Adison Wesley
- Cooper, James M(1990) Classroom teaching skills.US: DC Health & Co
- Dave, Pushkin (2001) Teacher Training. California : ABC CLIO
- Entwistle, N.J. (1987). Understanding Classroom Learning. London: John Wiley
- Green, G.H. (1987). Planning the Lesson. London: Longman
- Higher secondary business studies and accountancy text book (Plus 1 & Plus 2). SCERT, KERALA

- Kilpatrick, W. H. (1969). The Project Method. New York: Teachers' College Press
- Kochhar, S.K. (1985). Methods and Techniques of Teaching. New Delhi : Sterling Publishers Pvt. Ltd.,
- Kumar, Mahesh (2004). Modern teaching of commerce. New Delhi: Anmol Publications Ltd
- Raj, Rani Bansal (1999). New trends in teaching of Commerce New Delhi: Anmol Publications.
- Raj, Rani Bansal (1999). New trends in teaching of Commerce: Models of teaching and concepts of learning. New Delhi: Anmol Publications.
- Raj, Rani Bansal (1999). Models of teaching and concepts of learning. New Delhi: Anmol Publications.
- Rao, Digumarti Bhaskara(2006) Methods of teaching commerce(2006). New Delhi: Discovery publishing house
- Rao, Seema(2005) Teaching of Commerce. New Delhi: Anmol Publications Ltd
- Singh, V.K (2006). Teaching of Commerce. New Delhi: A.P.H. Publishing corporations.
- Skinner, B. F. (1968). The Technology of Teaching. New Jersey: Prentice Hall.
- Teacher's handbook of business studies and accountancy text book (Plus 1 & Plus 2). SCERT, KERALA
- http://religionmanuals.tpub.com/14229/css/14229_322.htm
- http://www.scribd.com/doc/24590843/Micro-Teaching-Skills
- http://answers.yahoo.com/question/
- http://en.wikipedia.org/wiki/Wiki
- http://www.ierg.net/lessonplans/unit_plans.php
- http://www.csun.edu/science/ref/pedagogy/pck/
- http://en.wikipedia.org/wiki/Technological_Pedagogical

EDU - 04.13 :THEORETICAL BASE OF HOME SCIENCE EDUCATION

(Theoretical discourses - 60 hrs, CE - 30 hrs)

Objectives:

- To make the prospective teachers understand the scope and nature of Home Science teaching at different levels of learning
- To get acquainted with the aims and objectives of teaching and learning Home Science
- To acquire the fundamentals of theory and practice of principles and procedures of teaching and learning of Home Science
- To develop an understanding of different methods, strategies and techniques possible in teaching and learning of Home Science

Contents:

- Unit 1: General Introduction to Teaching and learning
- Unit 2: Home Science A conceptual Analysis
- Unit 3: Aims and Objectives of Teaching Home Science
- Unit 4: Methods and Strategies for Teaching Home science

Unit I: General Introduction to Teaching and Learning (10+5=15 hours)

	Learning Outcome		Major concepts	Strategies & Approaches		Assessment	
1.	To acquaint student teachers with	•	Classroom as an organization-Teacher and	Meaningful verbal	•	Performance Assessment	in
	the process of teaching learning in		Learner, Definitions of learning from	expression		group discussion	
	the changing scenario		different point of view (behaviouristic,	Group discussion	٠	Tests	
2.	To familiarize with the maxims of		cognitive and constructivist),	Narrative expression	•	Peer evaluation	
	teaching		Interdependence of Teaching-Learning	sessions in small or			
3.	To understand the concept of		process.	medium groups			
	learning given by behaviourists,	•	Changing concept of classroom	PBL			
	cognitivists and constructivists		environment- classroom climate- An	Video streaming			
4.	To familiarize with the changing		introduction to conducive, learner friendly,				
	classroom environment		inclusive, Virtual learning environment				
			(VLE) and Classroom without walls				

5. To develop understanding in	(CWW).	
Continuing Professional	• Teacher as a professional- Teacher qualities,	
Development	competencies and responsibilities. Role of	
6. To acquaint with the qualities,	Teacher as manager, leader, knowledge	
duties and responsibilities of	worker, guide, supervisor, mentor,	
science teacher	scaffolder, social engineer, reflective	
7. To understand the changing roles	practitioner in teaching-learning process.	
of teacher in the present scenario	• Maxims of teaching.	
	• Continuing professional development	
	(CPD)-conceptual Analysis.	

Unit 2: Home Science – A conceptual Analysis (10+5=15 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To comprehend the nature and scope of Home Science To identify concepts in Home Science related to science and art To familiarize the development of science in India To familiarize the related branches of Home science 	 Nature of Home science- Home Science- Science as well as art, Areas of Home science Significance of Home Science education in school curriculum. Development of science education in India. An introduction to National Scientific Policy Resolution of 1958, Indian Parliamentary and Scientific Committee & Role of NCERT in science education. Related Branches of Home science- Physiology, Microbiology, Biochemistry, Information Technology. 	Group discussion Seminar Workshop symposium	 Document analysis Online assessment Quiz programme

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To acquaint with the aims and objectives of teaching Home science To understand the different taxonomies of instructional objectives To identify the importance of objective based instruction • •<!--</td--><td> Broad aims of teaching Home science to fulfill the national goals of education with special reference to Population control Increase in food production Eradication of diseases Better nutrition Conservation of natural resources Scientific attitude Objective based instruction- Instructional objectives, Specific objectives, learning experience, Evaluation Taxonomy: Bloom's Taxonomy,1956. Revised Bloom's Taxonomy(Anderson and Krawthwohl),1990. Mc Cormack and Yager Taxonomy of Science Education, 1989 Technology Integrated Taxonomy- Aims and Objectives of teaching Home science with respect to NCF(2005), KCF(2007) </td><td>Meaningful verbal expression Narrative expression sessions in small or medium groups Lecture cum discussion -Digital presentation Blog searching Reflective practices Assignment</td><td> Questioning Participation in group discussions Participant observation Tests Blog posting </td>	 Broad aims of teaching Home science to fulfill the national goals of education with special reference to Population control Increase in food production Eradication of diseases Better nutrition Conservation of natural resources Scientific attitude Objective based instruction- Instructional objectives, Specific objectives, learning experience, Evaluation Taxonomy: Bloom's Taxonomy,1956. Revised Bloom's Taxonomy(Anderson and Krawthwohl),1990. Mc Cormack and Yager Taxonomy of Science Education, 1989 Technology Integrated Taxonomy- Aims and Objectives of teaching Home science with respect to NCF(2005), KCF(2007) 	Meaningful verbal expression Narrative expression sessions in small or medium groups Lecture cum discussion -Digital presentation Blog searching Reflective practices Assignment	 Questioning Participation in group discussions Participant observation Tests Blog posting

Unit 3: Aims and Objectives of Teaching Home Science (25+4=29 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To understand methods, strategies and techniques of teaching Home Science To distinguish between teacher initiated and learner initiated methods To identify and comprehend the different strategies, methods and approaches and techniques in teaching Home Science 	 An introduction - Meaning and Definition of Strategies, Methods, Techniques and Approaches Teacher initiated methods- Lecture method and Lecture demonstration method. Learner initiated methods- Laboratory method, assignment method, Project method, Inductive method, Problem Solving method, Supervised Study Approaches- Inductive, Deductive, Constructivist, Modular, Multimedia, Interdisciplinary approaches Techniques- Debate, Seminar, Symposium, Discussion, Discussion 66, Buzz session, Brain storming, Simulation, Role play, Field trip, Panel discussion, Colloquium. Self instruction strategies- programmed instruction- CAI, CMI Cooperative /collaborative strategies of learning for less able, able and more able (Differential Teaching) 	Meaningful verbal expression Group discussion Peer instruction Brain storming Debate Symposium Small group projects Explicit teaching	 Analysis in group discussion. Participant observation. MCQ based discussion. Project evaluation

Unit 4: Methods and Strategies for Home Science Teaching (25+6=31 hours)

- Aggarwal, J. C. (1997). Essentials of Educational Technology: Teaching Learning Innovations in Education. Vikas Publishing House. Pvt. Ltd.: New Delhi.
- Anderson, L. W., & Krathwohl, D. R. (Eds.). (2000). A taxonomy for learning, teaching, and assessing: A revision of Bloom's taxonomy of educational objectives. New York: Longman.
- Yadav,S.(1994) Teaching of Home Science, New Delhi: Anmol Publications
- Begum, F.(2004) Modern Teaching of Home Science. New Delhi: Anmol Publications
- Bloom, Benjamin Samuel. (1956). Taxonomy of Educational Objectives: The Classification of Educational Goals (Vol.1): Green, Longman.
- Norman herr(2007)The Sourcebook for Teaching Science Strategies, Activities, and Instructional Resources, ISBN 978-07879-72981 [or 07879-72983] San Franciso, CA John Wiley/Jossey- Bass publishers.
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- Sharma ,R.C. Modern Science Teaching, DhanpatRai and Sons, Delhi.
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- Anderson, W. Lorin., and Krathwohl, David. R., A Revision of Bloom's Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educatioal Objectives Complete (Edn.)
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- NCERT, Government of India, National Curriculum Framework(NCF),2005, New Delhi, 2005.

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- http://books.google.com/books/about/Modern_Methods_and_Mater...
- http://www.amazon.com/Teaching-Secondary-School-Science-Stra...
- http://www.ncert.nic.in/new_ncert/ncert/rightside/links/pdf/...
- http://www.ncert.nic.in/right side/links/pdf/framework/english/nf2005.pdf
- http://www.ssamis.com/web/downloads/KCF%2020 07.pdf

EDU- 05. 13 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS - HOME SCIENCE

(Theoretical discourses - 60 hrs, CE - 30 hrs,)

Objectives:

- To develop practical field based skill and experience in resource development and learning experience designing while transacting the Home Science curriculum
- To comprehend the dimensions of pedagogic analysis
- To analyze the Higher Secondary / Vocational Higher Secondary School Home Science Syllabus based on pedagogical Content Knowledge.
- To identify and develop teaching skills specially required for teaching Home Science
- To understand and prepare teaching manuals based on different instructional strategies.
- To prepare and use suitable learning aids for Home Science teaching.
- To enrich the capabilities of prospective Home Science teachers during and after the pre service education

Contents:

- Unit 1: Introduction to Pedagogic Content Knowledge
- Unit 2: Instructional Planning for teaching Home science
- Unit 3: Essential Requirements of Teaching Home Science
- Unit 4: Resources in Teaching and Learning of Home Science

Unit 1: Introduction to Pedagogic Content Knowledge (14+7=21 hours)

Learning Outcome	Major concepts Strategies & Approaches	Assessment
1. To understand pedagogic content	• Pedagogic Content Knowledge (PCK)- Meaningful verbal	Analysis in group discussion
knowledge (PCK) and find its scope in teaching and learning	Meaning and Scope. expression	Report on Higher Secondary / Vocational Higher Secondary
2. To understand the steps involved in	• Content analysis- Meaning, Purpose and steps. Group discussion	text book analysis
PCK analysis	PCK Analysis - Content Analysis, Learning outcomes, Pre requisites, Inputs that enrich Document writing	Peer evaluation

3.]	Го	apply	the	principles	of	learning(Teaching-learning resources,	workshop
	p	oedag	gogic an	alysis.			Environmental inputs), Community	Not ourfing
							resources, Enrichment Activities,	Net surfing
							Assessment techniques, Assignments.	
							• PCK Analysis of Home Science content	
							from Higher Secondary/Vocational Higher	
							Secondary school syllabus prescribed by	
							SCERT	

Unit 2: Instructional Planning for Teaching Home science (14+8=22 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment	
 To acquaint with the planning of instruction To develop understanding of different types of planning To design lesson templates based on different formats 	 Planning- Need and Importance. Different types of planning- Purposes and steps-Year Plan, Unit Plan, Resource Unit, Lesson Plan- Herbartian steps Behaviourist and Constructivist formats 	Meaningful verbal expression Group discussion Explicit teaching seminar co-operative learning	 Performance assessment in group discussion Assessment of optional notebook entries Discussion lesson template preparation (5) Observation and analysis of video of sample classes (2) Demonstration lessons (3) Blog creation 	

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 To identify competencies required for a teacher to be professional. To develop understanding of various teaching skills To understand microteaching and its relevance in the development of teaching skills To design, practice and document micro lessons in Home Science 	 Teacher Competencies-Subject competencies, Pedagogical competencies, Technological competencies. Teaching skills- definition, core teaching skills, components of teaching skills Microteaching - Definitions and meaning, objectives, principles, steps, microteaching cycle Development of selected teaching skills- Set induction, Reinforcement, Explaining, Illustrating with examples, Probing questions, Using chalk board, Stimulus variation, Using audio-visual aids, discussion, promoting pupil participation, Classroom management. Link Practice 	Meaningful verbal expression Group discussion Document analysis and Peer evaluation Document analysis Video observation Reflective practices -	 Analysis in group discussion Lesson segment preparation Observation schedule designing Think, Pair and Share sessions Recording and evaluation of Micro Teaching Lessons (10 skills / one skill per student) Criticism lessons (5)

Unit 3: Essential Requirements of Teaching Home Science (18+10=28 hours)

Unit 4: Resources in Teaching and Learning of Home Science (12+7=19 hours)

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To understand the importance of •	Design and development of Learning aids	Narrative expression	Participant observation
learning aids and improvised aids	and improvised aids for effective learning,	sessions in small or	• Analysis in group discussion
in learning Home Science	significance of audio-visual aids in teaching	medium groups	Class test
	learning of home science.		Material Development Circles

2.	To acquire hands-on experience in	•	Text book- Qualities, how to evaluate a good	Document analysis	•	Practicals
	designing and developing suitable		text book in Home Science	V		
	learning aids for classroom	•	Hand book, Source book, Work book,	You tube resource	•	Involvement in subject
	instruction		Reference book, Supplementary reading	tapping		association activity
3.	To develop understanding in		materials	Drill and Practice		
	resource mapping	•	Resource Mapping			
				Lab sessions		

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- Radha Mohan(2007): Innovative Science Teaching: New Delhi, Prentice Hall of India Pvt. Ltd.
- Y K Singh & Archnesh Sharma(2004): Micro Teaching: New Delhi, A P H Publishing Corporation.
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Internet References

- http://instedd.org/technologies/resource-map/
- http://archive.org/stream/modernmethodsand029422mbp/modernmethodsand029422mbp_djvu.txt
- http://books.google.com/books/about/Modern_Methods_and_Mater

EDU – 101.2 : Yoga, Health and Physical Education

(2 credits – 60 hours & 50 marks)

Objectives

- To get acquainted with the meaning, aims and objectives of Physical Education
- To understand the concept of Physical fitness and chalk out physical fitness workout plans
- To get acquainted with type of exercises and understand the health benefits of physical exercises
- To get acquaint with the Yoga techniques (Pranayamas)
- To understand the Holistic and curative aspects of yoga
- To practice of Yoga & recreational activities

Contents

- Unit 1 Physical Education-def, meaning, aims and objectives
- Unit 2 Physical Fitness definition, components, activities
- Unit 3 Types of Exercises Health benefits, effect on physiological systems
- Unit-4 Concept, principles and practice of Yoga.

Unit – 1: Physical Education-def, meaning, aims and objectives

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To get acquainted with the	Physical Education – 8 hours	Verbal Expression	1. Written test
meaning, aim and objectives of	• Definition		
Physical Education	 Meaning, need and importance 		
	 Aims and objectives 		
	• Dimensions		
	General health of Students		

Unit – 2: Physical	Fitness - definition,	components, activities
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Learning Outcome	Major concepts	Strategies & Approaches	Assessment
1. To familiarize the physical fitness components and the modes of developing them.	 Physical Fitness – 12 hours Definition Components of Physical Fitness Health related Physical Fitness Activities for developing Physical Fitness components Practice 	Theoretical orientation Fitness centre work out sessions Group activity	Projects(work out plans)Performance analysis

Unit – 3 :Types of Exercises – Health benefits, effect on physiological systems

Learning Outcome	Major concepts	Strategies & Approaches	Assessment
 Provide knowledge and understanding regarding the scientific basis and benefits of Physical activity. To have a practical knowledge on physical workout plans 	 Types of Exercises – 15 hours Aerobic and Anaerobic Exercises Isotonic ,Isometric and Isokinetic Exercises Health benefits of Physical Exercises Effect of exercise on Circulatory, Respiratory and Muscular Systems Practice of exercises 	Theoretical orientation Fitness centre work out sessions Group activity	AssignmentsGroup projects

Learning Outcome	Major concepts	Strategies & Approaches	Assessment		
 To get acquaint with the concept and techniques of Yoga (Pranayamas). Holistic and curative aspects of Yoga. Practice of Yoga 	 Yoga – 25 hours Meaning, Concept, history, need and importance of yoga. -Principles of Yoga -Elements of Yoga -Holistic and curative aspects of Yoga Science of Yoga - Yoga and memory -Components that improve memory ; Asanas, Pranayama, Meditation. -Pranayama (breathing techniques) -Relaxation techniques : Asanas(steps to follow and benefits)practice of yoga. Padmasana Siddhasana Vajrasana Bhujangasana Halasana Shalbhasana Yogamudra 	Theoretical presentation Demonstration Group activity Partner practice forms.	 Group assessment Participation Practicing yoga Demonstration Partner assessment Individual assessment 		

Unit- 4 : Concept, principles and practice of Yoga.

Guidelines for Practical Work

Prepare a personal health chart	- 5 marks	Physical Education Record	- 15 marks
Practice of Yoga	- 10 marks	Internal written examination	- 10 marks
Initiative, effort and participation in games	- 10 marks		

EDU – 101.3 : ART AND AESTHETICS EDUCATION .

(Credit - 1, carries 25 marks/30 hours)

Contents :

Introduction to Art and Culture.

- Importance of art and art forms in Educational context.
- The need of aesthetic sense for teacher and learner

Fine arts.

• Knowledge and familiarization of Visual arts-painting, drawing, pencil drawing, charcoal and crayon.

Art and culture.

• Cultural depiction in Monuments of India and Kerala, ritual arts, Folk arts, Regional arts forms in Kerala.

Practicals:

- Making of geometrical shapes, greeting cards, fabric painting, glass painting, models, charts etc 5 nos. (10 marks)
- Visit to any monument of cultural importance (local) and prepare a report (not exceeding 10 pages) on its artistic and cultural relevance (5 marks)
- Write up on any one art form or culture of India/ Kerala -presentation not exceeding 15 pages. (10 marks)