



**INTEGRAL
UNIVERSITY**



INTEGRAL UNIVERSITY LUCKNOW

2nd Semester Syllabus
w.e.f. Session-2019-20

For

Bachelor of Education (B.Ed.)

Faculty of Education



Integral University, Lucknow

Effective from Session: 2019-20							
Course Code	ED407	Title of the Course	Techniques of teaching	L	T	P	C
Year	1	Semester	II	3	1	0	4
Pre-Requisite	Graduation in any Discipline	Co-requisite					
Course Objectives	The purpose of this undergraduate course is to impart basic and key knowledge of Educational techniques. By using the principal of learning and teaching students may enable themselves a better teacher. After successfully completion of course, the student will able explore subject into their respective dimensions.						

Course Outcomes	
CO1	Student will be able to know the concept characteristics and important teaching skills.
CO2	Understand the classification of Bloom's taxonomy of Educational Objectives.
CO3	Explain the various merits and demerits of various approaches to teaching.
CO4	Apply various teaching methods in class room teaching.
CO5	Describe uses of ICT in teaching and learning.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	concept and objectives of teaching	Concept and characteristics of good teaching. Micro-Teaching: Meaning, Concept and Micro-Teaching Cycle. Important teaching skills – Set-Induction , questioning , Reinforcement , Explanation , Stimulus variation , Black-Board , Illustration with example	8	1
2	Aims and objectives of teaching	Need and importance of defining aims and objectives of teaching in terms of learning outcomes. Bloom's taxonomy of educational objectives. Factors affecting teaching and learning..	8	2
3	Approaches to teaching	Maxims of teaching: Known to unknown, simple to complex, easy to difficult, concrete to abstract, whole to part etc. Merits and demerits of various teaching methods: Lecture, Demonstration, Project, Problem-solving and Discussion, Inductive , Deductive, Heuristic	8	3
4	Innovative teaching	Generation, types and characteristics of computers, Computer fundamentals: CPU, memory, storage devices, input and output.	8	4
5	Programmed learning	Programmed Learning: Meaning, Origin, Linear programming: Meaning and Characteristic Branching programming: Meaning and Characteristic, Mathetics programming: Meaning and Characteristic. Development of Programme Learning Material	8	5

Reference Books:

1. Bhatia, K. (2002), "The Principles and Methods of teaching", Doaba House, New Delhi
2. Chris, Kyriakon (1997), "Effective Teaching in Schools: Theory & Practice", Stanley Thornes Ltd.
3. David Coulby and others (2011), "Preventing classroom Description: Policy, Practice and Evaluation in Urban Schools", Routledge Library edition, London.
4. Day, Christopher (2004), "A Passion for Teaching", Routledge falmer, London.
5. Government of India (2000), National Curriculum Framework (NCF), NCERT, New Delhi.
6. Government of India (2005), National Curriculum Framework (NCF), NCERT, New Delhi
7. Woods, P. (2011), "Critical Events in Teaching and Learning", Routledge Library Edition, London.

e-Learning Source:

<https://images.app.goo.gl/trnvhnAPAsRG2J5A6>

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	3	2	2	2	1	2	3	3	3	2	2	2	2	1
CO2	2	2	2	2	2	1	1	2	2	3	2	2	2	3	2
CO3	3	1	2	2	2	1	1	3	1	3	2	3	2	2	1

CO4	3	3	1	2	3	2	1	3	3	3	2	2	3	2	1
CO5	3	1	1	2	3	2	1	3	1	3	3	2	3	2	1

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator

Dr Azkiya Waris
Azkiya W

nd Aliman
Sign & Seal of HOD





Integral University, Lucknow

Effective from Session: 2019-20							
Course Code	ED408	Title of the Course	Assessment of Learning	L	T	P	C
Year	I	Semester	II	3	1	0	4
Pre-Requisite	Graduation with any Discipline	Co-requisite	Nil				
Course Objectives	The purpose of this graduate course is to impart theoretical and practical knowledge of Assessment. By studying the different types of measurement and techniques and process, students will be able to do measurement and evaluation. Students can draw conclusions and prediction about progress.						

Course Outcomes	
CO1	Understand the concept, importance of Measurement & Evaluation, Levels of Measurement
CO2	Familiarize with new trends and innovations in Measurement & Evaluation
CO3	Know the concept of Statistics and central tendency and its use in education
CO4	Use the different type of tool for measurement and evaluation, characteristics of good measuring tool
CO5	Be acquainted the new reforms in examination system

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Concept of Evaluation	Concept of Measurement, Assessment and Evaluation, Need and Scope of Evaluation, Distinction between the following: Measurement, Examination, Assessment and Evaluation, Evaluation Approaches: Formative-Summative, Continuous Comprehensive Evaluation: Need, Relevance, Implementation Procedure, Problems	8	1
2	Tools and Techniques of Evaluation	Characteristics of good measuring instruments and factors affecting them, Reliability and Validity of Tools, Tools of evaluation: -Quantitative – Written, Oral and Practical (Types of Questions: Short, Long, MCQs covering all three domains of Learning-Cognitive, Affective and Psychomotor) Qualitative – Observation, Introspection, Projection and Sociometry, Use of these tools for internal assessment & maintaining cumulative records of learners in School	10	2
3	Statistical Methods and Interpretation of Scores	History of Statistic, Need & Importance of Statistics in Evaluation, Graphical Representation, Histogram, Frequency Polygon, Pi Charts, Percentile & Percentile rank (Meaning & Uses)	6	3
4	Central Tendency and Normal Probability Curve	Measures of Central Tendency: - Mean, Median, Mode. (Meaning, Characteristics, use only) Normal Probability Curve: -Properties and Uses. (Skewness and Kurtosis (Meaning & Applications)	8	4
5	New Trends in Evaluation: Need and Use	Question bank, Grading system, Online Examination, Open Book Examination, Credit System, Exam on Demand (meaning & uses only)	10	5

Reference Books:

1. Ebel Robert L. (1991) Essentials of Educational Measurement, Prentice Hall of India, New Delhi
2. Gunter, Mary Alice et.al (2007) Instruction: A Model's Approach- Fifth Edition; Pearson Education Inc, Boston.
3. Kubiszyn Tom (2003) Educational Testing and Measurement, John Wiley
4. Linn, Robert L. and Gronlund, Norman E. (2000) Measurement and Assessment in Teaching, Pearson Education Inc.
5. Gupta, S.P. (2018) Modern Measurement and Evaluation, Sharda Pustak Bhawan, Allahabad

e-Learning Source:

1. <https://classroom.google.com/c/OTO2NDg4MTk4MzNa/p/OTkzMjc1MDk0Mjha/details>
2. <https://classroom.google.com/c/OTO2NDg4MTk4MzNa/p/MTE2OTQvOTY0Mjcw/details>
3. <https://classroom.google.com/c/OTO2NDg4MTk4MzNa/p/OTUzMzI0MTgzOTRa/details>
4. <https://classroom.google.com/c/OTO2MjE5NjE1NjJa/p/MTEwNjMzMDI3NTE1/details>

PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	3	1	2	2	1	1	1	2	3	3	1	2	2	2
CO2	3	3	1	2	2	1	1	2	2	3	2	1	2	2	1
CO3	3	3	2	2	1	2	1	2	1	3	2	2	2	1	2
CO4	2	3	1	2	2	1	1	2	2	1	1	2	2	1	2
CO5	2	3	1	2	2	1	1	1	2	2	2	2	1	1	1

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr Azkiya Waris
Azkiya

Name & Sign of Program Coordinator

Md Ali Mam

Sign & Seal of Head





Effective from Session: 2025-2026

Course Code	ED409	Title of the Course	Methods of Teaching English	L	T	P	C
Year	1 st	Semester	2 nd Semester	3	1	0	4
Pre-Requisite	Graduation	Co-requisite					
Course Objectives	The course aims to equip learners with foundational knowledge of English language pedagogy exploring diverse teaching principles, methods, and approaches, while addressing the specific challenges of teaching English in Indian contexts. It also focuses on developing language skills, integrating audio-visual aids, and effectively utilizing textbooks and lesson planning for teaching prose, poetry, and grammar. The Students will be able to :-						

Course Outcomes

CO1	Understand the principles of teaching English Language, aims and objectives of teaching English at secondary level, role and place of English in India and the challenges of teaching English as a second language in Indian classrooms.
CO2	Understand various approaches and methods in English language teaching, evaluating their merits and limitations.
CO3	Develop effective strategies for teaching listening, speaking, reading, and writing skills in English language.
CO4	Understand the importance and use of audio-visual and digital aids in enhancing English language pedagogy.
CO5	Prepare lesson plans in prose, poetry, and grammar, critically assessing the use and quality of textbooks in English teaching.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to English Language Teaching	- Principles of Language Teaching: Language: nature, concept, functions - Concept of language learning and acquisition - Role of English in India: Historical and Contemporary Perspectives - Aims and Objectives of Teaching English at the secondary level: General and Specific - Teaching English as a Second Language (ESL): Challenges in Indian Classrooms	08	1
2	Approaches and Methods of Teaching English	- Structural approach to teaching English, advantages and disadvantages. - Communicative Approach to English, advantages and disadvantages. - Deductive and Inductive approach - Grammar-Translation Method, Direct Method, its critical appraisal. Audio-Lingual Method: Principles and limitations - Dr. West's Method of teaching English, merits and demerits. - Task-Based Language Teaching (TBLT): principles and limitations	08	2
3	Teaching (Lsrw) Skills	- Teaching of Listening skill: objectives, Strategies and Activities - Teaching of Speaking skill : objectives, Role-plays, Dialogues, and Oral Presentations - Teaching of reading skills-characteristics, objectives, types of reading-intensive, extensive, silent and reading aloud with expression. - Teaching of writing skills-characteristics, style of writing and methods of writing.	08	3
4	Audio-Visual Aids in English Language Teaching	- Meaning and Importance of Teaching Aids: Definition and role of teaching aids in creating an engaging and interactive learning environment. - Types of Audio-Visual Aids: Audio Aids: Podcasts, audiobooks, language learning apps, and digital recordings. - Visual Aids: Charts, pictures, flashcards, and diagrams. - Audio-Visual Aids: Videos, films - Digital and ICT-Based Aids: Smart boards, Projectors: for displaying digital resources, films, and presentations in large classes. - Language Laboratory and its Importance for teaching of English.	08	4
5	Teaching of Prose, Poetry, Grammar and Text Books for Teaching English	- Teaching Grammar: Role and Relevance of Grammar in English Language Learning - Teaching Prose, Poetry, and Grammar: Aims and Objectives - Lesson Planning in English: Components, Importance, and Formats for Teaching of Prose, Poetry, and Grammar. - Textbook Usage: Importance and characteristics of Good English Textbooks - Challenges with Current Textbooks: Identifying Limitations and Areas for	08	5

APPROVED BY
ACADEMIC COUNCIL
ON...26/10/2024.....

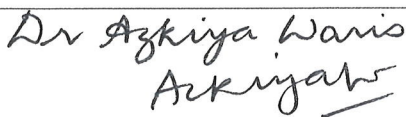
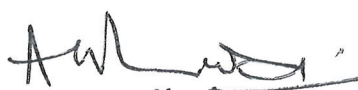
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Head

Department of Education
Integral University, Lucknow

		Improvement		
		• Textbook Analysis and Evaluation: Criteria for Assessing the Quality and Effectiveness of English Textbooks		
Reference Books:				
1. Hornby, A. S. (1991). The teaching of structured words and sentence patterns, Stage I-IV. Oxford University Press.London.				
2. Chaudhary, M. (2012). Methodology of teaching English. Pearson, Dorling Kindersley India.				
3. Sharma, P. (2011). Methods of teaching of English. Shipra Publications, New Delhi.				
4. Bisht, A. R. (2011). Teaching English in India. Sri Vinod Pustak Mandir.Agra.				
5. Shaikh Mowla, S., Rao, M. P., & Sarojini, B. B. (2013). Methods of teaching English. Neelkamal Publications Pvt. Ltd, Hyderabad.				
6. Sharma, R. A. (2009). Fundamentals of teaching English. R. Lall Book Depot, Meerut.				
7. Singh, M.K. (1998) Teaching of English, International Publishing House, Meerut.				
e-Learning Source:				
https://egyankosh.ac.in/bitstream/123456789/46834/1/BES-144B1E.pdf				
https://egyankosh.ac.in/handle/123456789/46831				
https://egyankosh.ac.in/handle/123456789/46477				

PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	2	1	3	3	2	2	2	3	2	3	2	3	2	3
CO2	3	1	2	3	2	3	2	2	2	3	3	2	2	3	3
CO3	3	1	2	3	2	3	2	2	2	3	3	2	2	3	3
CO4	3	1	2	3	2	3	2	2	2	3	3	2	2	3	3
CO5	3	1	2	3	2	3	2	2	2	3	3	2	2	3	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

 Name & Sign of Program Coordinator	 Head Sign & Seal of HoD Department of Education Integral University, Lucknow
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APPROVED BY
ACADEMIC COUNCIL
ON...26/10/2024....



Integral University, Lucknow

Effective from Session: 2019-20				L	T	P	C
Course Code	ED410	Title of the Course	Method of Teaching Hindi	3	1	0	4
Year	1	Semester	II				
Pre-Requisite	Graduation in any Discipline	Co-requisite					
Course Objectives	The purpose of this graduate course is to impart the scope and importance of Hindi as language. To understand the meaning scope and importance of verbal Language.						

Course Outcomes	
CO1	Define the scope and importance of Hindi as a Language.
CO2	To understand the meaning, scope, and importance of Lesson Planning in Hindi.
CO3	To know the steps of Prose, Poetry, Grammar and word/picture composition lesson plans.
CO4	To get familiar with various methods for Hindi teaching.
CO5	To understand the meaning, scope and importance of measurement and evaluation in Hindi.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Importance and functions of language	Importance and functions of language Place of Hindi language in secondary school curriculum, Challenges & relevance of Hindi Characteristics of good Hindi teacher	8	1
2	Importance of making lesson plan in Hindi	Importance of making lesson plan , Steps of prose lesson plan	8	2
3	Steps of lesson plan	Steps of poetry lesson plan , Steps of grammar lesson plan , Steps of essay and composition lesson plan	8	3
4	Teaching Methods in Hindi	Inductive teaching method, Deductive teaching method, Difference between inductive and deductive. Meaning and importance of audio visual aids, Types of A/V Aids. Language Laboratory ,Co -curricular activities , Functioning of co -curricular activities	8	4
5	Measurement and evaluation in Hindi	Measurement and evaluation. Difference and relation between them Objective test: meaning and importance . Subjective test: meaning and importance. Blueprint: meaning and preparation	8	5

Reference Books:

1. Lal ,Rama Bihari, Hindi shikshan: rastogi Publications, Meeruthh
2. Chaturvedi, shikha, hindi shikshan, R L Book depo, Meeruthh
3. Singh, Savitri, Hindi shikshan, international Publishing house, Meeruthh
4. Gupta, Mamta, Hindi Shikshan, H P Bhargava Book House, Agra
5. Singh, karn, Hindi shikshan, Govind prakashan, Lakheempur kheeree

e-Learning Source:

<https://drive.google.com/file/d/14wxSxJQeLkFpEydsmdjX9sfbYOm-D9-Y/view?usp=sharing>
<https://drive.google.com/file/d/19hyWYMvQjUvMI4JoErJH0tkRaJVEId1/view?usp=sharing>
<https://egyankosh.ac.in/bitstream/123456789/47100/1/Unit-3.pdf>

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	1	3	1	3	2	1	1	2	1	2	2	1	1	3	2
CO2	1	3	1	2	2	3	1	2	1	3	1	1	1	3	2
CO3	3	2	2	2	2	1	1	1	2	3	1	2	3	2	2
CO4	2	3	1	2	2	1	1	1	2	2	2	2	2	3	2
CO5	2	3	2	2	2	3	3	1	1	3	1	2	2	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator

Dr Azkiya Waris
Azkiya W

Sign & Seal of Head





Integral University, Lucknow

Effective from Session: 2019-20

Course Code	ED411	Title of the Course	Methods of Teaching Urdu	L	T	P	C
Year	1 st	Semester	2nd	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	Nil				
Course Objectives	The purpose of this undergraduate course is to impart basic and key knowledge of Educational technological techniques. By using the principal of learning and teaching students may enable themselves a better teacher. After successfully completion of course, the student will able explore subject into their respective dimensions.						

Course Outcomes

CO1	To acquaint the students with meaning, concept and nature of Urdu Language.
CO2	To make the students know the function of Urdu Language.
CO3	To make the students able to understand the importance of Urdu Language in secondary school curriculum.
CO4	To enable the students to know the aims and objectives of teaching Urdu language at secondary level.
CO5	To enable the students to be aware about various methods of teaching Urdu language. make the students able to understand the characteristics a good text-book in Urdu. make the students able to explore the various techniques of evaluation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction of Urdu Language	The nature of Urdu Language and its scope. Functions and purpose of Language. Place of mother tongue in School Curriculum. The role of mother tongue in the education of child. Aims of teaching mother tongue at different levels---Primary, Lower,	8	1
2	Methods of Teaching	Teaching of Prose (Story, Drama) Teaching of Grammar Teaching of Poetry (Poems, Ghazals)	8	2
3	Mechanics of reading	Silent reading Reading aloud Supplementary reading materials	8	3
4	Lesson Planning and Text Book	Lesson Planning: Meaning, Format, why and how. Format: Prose, Poetry and Drama, Grammar Teaching aids in Urdu-need, importance and types. Importance and need of curricular activity: Principles of selection of text books.	8	4
5	Evaluation in Urdu	Meaning and purpose of evaluation, Formative and Summative evaluation, Characteristics of good achievement test, Construction of achievement test in Urdu.	8	5

Reference Books:

1. Ansari, Akhtar Ghazal Aur Ghazal, Taragi-c-Urdu-Board, ki Taleem New Delhi, 1979.
2. Ansari, Akhtar, Ghazal aur Dares-Ghazal, Anjuman Tarikhi-e- Urdu, Aligarh
3. Ansari, Akhtar, Studies in Language and Language Teaching, Friends Aligarh, 1962
4. Ahmad Hasan Tadrees on Urdu, Marathzara Collage of Education, Aurangabad, 1973.
5. Saiyadin, K.G. Zindagi, Zaban aur Taleem, Anjuman Tariq-e- Urdu, Aligarh, 1971
6. Moinduddin Urdu Zaban ki Tadrees, Tarikhi-Urdu Bureau, New Delhi, 1983
7. Gurrey, P. Teaching the Mother Tongue in Secondary Schools, Longmans London 1958.

e-Learning Source:

https://drive.google.com/file/d/19ChgyjekegVrrtKtyJP_RGFbi3k1dt1/view?usp=share_link

https://drive.google.com/file/d/1Qq6xYT2JnU3R024oUfnnkK_k-K-oMTq/view?usp=share_link

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO															
CO1	2	1	3	2	4	3	4	3	2	4	1	3	2	1	2
CO2	3	2	4	2	3	4	1	2	1	3	4	2	1	3	1
CO3	3	2	1	3	4	1	2	3	2	1	4	2	2	2	3
CO4	1	2	3	1	2	1	3	2	2	2	3	3	1	1	1
CO5	2	3	2	2	2	2	2	3	3	1	2	1	2	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator

Dr. Azkiya Haris
Azkiya H

Sign & Seal of HoD





Integral University, Lucknow

Effective from Session: 2019-20

Course Code	ED 413	Title of the Course	METHODS OF TEACHING HISTORY	L	T	P	C
Year	I	Semester	II	3	1	0	4
Pre-Requisite	GRADUATION	Co-requisite	NA				
Course Objectives	The objective of the course is to equip students with strong foundation of knowledge and skills in the fields of Teaching History using the pedagogical principles. After successfully completion of course, the student will able to explore subject into the respective dimensions.						

Course Outcomes

CO1	To acquaint the students with the concept and importance of History in secondary school curriculum
CO2	To make the students know about aims and objectives of teaching History
CO3	To enable the students apply appropriate method and techniques for teaching of History at secondary level
CO4	To acquaint the students with significance of lesson planning in History
CO5	To acquaint the students with significance of about unit planning and syllabus planning.

Unit No	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MEANING, NATURE AND SIGNIFICANCE OF HISTORY	- Meaning, nature and scope of History - Modern concept of teaching History - Relation of History with other school subjects - Importance of teaching history at secondary school curriculum - Role of history teacher for use and development of History	8	1
2	AIMS AND OBJECTIVES OF TEACHING HISTORY	- Differentiate between aims and objectives. - Objectives: types - Aims and objectives of teaching history at secondary school level. - Supplementary reading material.	8	2
3	METHOD OF TEACHING HISTORY	- Methods: concepts and meaning. - Source method - Question-Answer Method - Simulation technique	8	3
4	LESSON PLANING	- Meaning and significance - Characteristics of good lesson plan - Steps of lesson plan in History	8	4
5	SYLLABUS PLANNING & UNIT PLAN	- Syllabus: concept and factors considered when plan a syllabus - Unit Plan in History.	8	5

Reference Books:

- Chaudhary, K.P. (1975), the Effective Teaching of History in India. New Delhi NCERT
- Aggarwal, J.C. (2003), Teaching of Social Studies: A Practical Approach, Vikas Publishing House, Pvt. Ltd. New Delhi
- Ghate, V.D. (1956), Teaching of History (English & Hindi) Bombay, Oxford University

e-Learning Source:

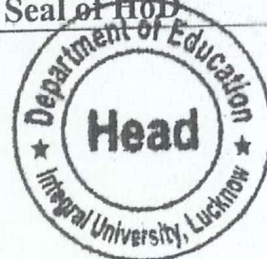
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PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	1	2	2	2	1	2	2	3	3	3	3	3	3	3	3
CO2	2	2	1	2	2	2	2	3	2	3	3	3	2	1	3
CO3	2	2	2	2	2	3	2	3	3	3	3	3	3	2	3
CO4	2	2	1	2	2	2	2	2	3	3	3	3	2	3	3
CO5	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

<i>Dr Azkiya Wariis</i> <i>Azkiya W</i> Name & Sign of Program Coordinator	<i>Md Ali Anwar</i> Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2019-20							
Course Code	ED414	Title of the Course	METHODS OF TEACHING CIVICS	L	T	P	C
Year	1 st Year	Semester	2 nd Sem.	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	---	---	---	---	---
Course Objectives	Understand the basic concept of the subject and their wide applicability ...Identify instructional objectives in behavioural terms ,apply appropriate methods in teaching particular topics at different levels and to select and use relevant teaching aids to make learning meaningful Understand the meaning and concept of lesson planning. Understand the meaning and concept of evaluation						

Course Outcomes	
CO1	To develop a general understanding of Civics
CO2	To discuss the basic concepts of Civics teaching.
CO3	To assess the applications and practices of Civics teaching Ideas and values
CO4	To compare traditional idea of Civics teaching with modern system in day to day life.
CO5	To enable students understand about Measurement and Evaluation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	INTRODUCTION	Meaning and importance of civics as a discipline and its relation with other disciplines, Scope of civics at high school stage, nature of civics at school level, place of civics in school curriculum, principles for designing civics curriculum, critical evaluation of civics curriculum at the school level.	15	1
2	AIMS, OBJECTIVES, PRESENTATION AND TEACHING AIDS	Aims and objectives of teaching civics at secondary school level. Presentation of subject matter in civics at high school stage. Correlation of civics with history, geography and economics	13	2
3	CONTENT ANALYSIS	Content analysis & text book /books of civics, Pedagogical analysis in textbooks of civics, Supplementary reading materials. Teaching aids – meaning, need and types.	12	3
4	TEACHING METHODS AND LESSON PLANNING	Discussion Method, Lecture Method, Project Method, Problem solving Method. Meaning, concept & importance of lesson planning. General Steps in lesson plan. Preparation of lesson plan. Various approaches to lesson planning: Herbart approach, the evaluation approach, & Morrison approach.	15	4
5	EVALUATION IN CIVICS:	Meaning and purpose of measurement and evaluation, Principles of evaluation, Characteristics of good achievement test, Construction of achievement test in civics, Continuous comprehensive internal evaluation.	15	5

Reference Books:

1. Teaching of civics in India: Hari-kari.
2. Education For Democratic citizenship: Cray Ryland W
3. The curriculum for the ten years school :NCERT, New Delhi
4. Teaching of civics: Agarwal, J.C.

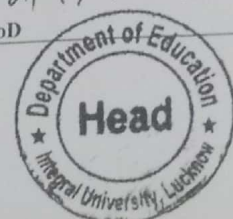
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<https://drive.google.com/file/d/1vCnLhGTDNmBnvril9smByAm5DY4p29Z2/view?usp=sharing>
https://docs.google.com/presentation/d/1Q_UaP-y4WvVLHqUICAbPRIO_6FShkdO/edit?usp=sharing&ouid=116085517013840770804&rtpof=true&sd=true

PO-PSO CO	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	2	3	3	3	2	3	1	3	3	1	2	2	2	2	2
CO2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
CO3	3	3	3	3	3	3	3	3	3	3	1	2	2	2	3
CO4	3	3	1	2	2	2	2	2	3	3	3	3	3	3	2
CO5	3	3	1	2	2	2	2	2	3	3	1	2	2	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr Azkiya Waris Azkiya W Name & Sign of Program Coordinator	Nal Akhman Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2019-20							
Course Code	ED415	Title of the Course	METHODS OF TEACHING GEOGRAPHY	L	T	P	C
Year	I	Semester	II	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	NA				
Course Objectives	• To acquaint the students with the concept and importance of Geography in school curriculum. • To make the students know about aims and objectives of teaching Geography. • To acquaint the students with pedagogy of lesson planning in Geography. • To develop among students competencies in teaching of Geography at school level.						

Course Outcomes	
CO1	To acquaint the students with the concept and importance of Geography in secondary school curriculum.
CO2	To make the students know about aims and objectives of teaching Geography.
CO3	To develop among students competencies in teaching of Geography at secondary level.
CO4	To acquaint the students with significance of lesson planning in Geography.
CO5	To enable the students apply appropriate method and techniques for teaching of Geography at secondary level.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MEANING, NATURE AND SIGNIFICANCE OF GEOGRAPHY:	- Meaning, nature and scope of Geography, Modern concept of teaching Geography. - Relation of Geography with other school subjects, - Importance of teaching Geography at secondary school curriculum. - Geography teacher: characteristics and role.	8	1
2	AIMS AND OBJECTIVES OF TEACHING GEOGRAPHY	- Differentiate between aims and objectives. - Aims and objectives of Teaching Geography at Secondary School Stage. - Teaching Aids: meaning, Need and Types - Supplementary reading material	8	2
3	METHODS OF TEACHING GEOGRAPHY	- Methods: concepts and meaning. - Assignment Method - Excursion Method - Question-Answer Method - Simulation technique	8	3
4	LESSON PLANING, SYLLABUS PLANING AND UNIT PLAN	- Meaning and significance - Characteristics of good lesson plan - Steps of lesson plan in Geography	8	4

5	SYLLABUS IN GEOGRAPHY	- Syllabus: concept and factors considered when plan a syllabus - Unit Plan: meaning, make a blue print.	8	5
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Reference Books:

- Binning and Binning: Teaching the Social Studies in Secondary Schools, Mc. Graw Hill, Book Company, New York.
- Hemming: The Teaching of Social studies in Secondary Schools: Langman's Green & company, London.
- Rao, M.S. Teaching of Geography.
- Teaching of Geography, O.P. Verma.

e-Learning Source:

<https://egyankosh.ac.in>

<https://vou.ac.in>

<https://uou.ac.in>

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO															
CO1	1	2	2	2	1	2	2	3	3	3	3	3	2	1	3
CO2	2	2	1	2	2	2	2	3	2	3	3	3	3	2	3
CO3	2	2	2	2	2	3	2	3	3	3	3	3	2	3	3
CO4	2	2	1	2	2	2	2	2	3	3	3	3	3	3	3
CO5	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr Azkiya Waris
Azkiya W
Name & Sign of Program Coordinator

Sign & Seal of HoD





Integral University, Lucknow

Effective from Session: 2019-20				L	T	P	C
Course Code	ED416	Title of the Course	Method of Teaching Economics	3	1	0	4
Year	1	Semester	II				
Pre-Requisite	Graduation with any discipline	Co-requisite	Nil				
Course Objectives	To the know aims and objectives of teaching Economics at School level • To understand the basic subject matter of the economics • To understand the meaning and concept of lesson planning • To understand the resources required for classroom transactions • To select appropriate Instructional Media for teaching commerce at higher secondary stage • To apply different Evaluation techniques in Economics.						

Course Outcomes	
CO1	Students will be able to define Meaning, Nature, Scope and Importance of Economics. Its relation with other Discipline.
CO2	Students will be able to explain various theories in Economics
CO3	Students will be able to understand Need and Importance of Economics Room Co-curricular Activities and prepare lesson plans in Economics
CO4	Students will be able to understand the different types of Instructional Media
CO5	Students will be able to understand Meaning and Purpose of Evaluation and its types.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mappe d CO
1	Aims, Objectives and Nature of Economics as a Discipline	Meaning, Nature, Scope and Importance of Economics. Relation of Economics with other Discipline. Aims and Objectives of Economics teaching at secondary and Senior secondary stage.	04	1
2	Subject Matter in Discipline	Theories of Demand and Supply, Consumer Behaviour, Theory of Production, Cost Theories Types of Market Structures, Cost and Revenue curves under PCM and Monopoly Theory of Income and Employment, National Income, Budget. Latest Trends in National and International Economics	12	2
3	Lesson Planning and Resources supplementing Teaching-Learning	Meaning, Need and Preparation of Lesson Plan in Economics Need and Importance of Economics Room Co-curricular Activities: Types, Role and Significance of Co-curricular Activities in teaching Economics	06	3
4	Instructional Media	Instructional Media: Concept, Importance and types of instructional Media and their use in teaching of Economics	04	4
5	Evaluation in Economics	Meaning and Purpose of Evaluation, Formative and Summative Evaluation types of Test: Essay type Test and Objective Type Test-Characteristics, Merits and Demerits	06	5

Reference Books:

1. Tyagi, Gurusarandas: Economics Teaching, Vinod Pustak Mandir, Agra-5
2. Arora, P.N (1985) Evaluation in Economics, New Delhi, NCERT.
3. Bawa, MS (1995): Evaluation in Economics IASE, Delhi University, New Delhi
4. Kanwar. B.S. (1973) Teaching of Economics, Prakash Brothers., Ludhiana
5. Siddiqui M.H. (1993) Teaching of Economics, Ashish Publishing House, New Delhi.

e-Learning Source:

<https://nptel.ac.in/courses/110105075>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	3	2	2	3	1	3	3	3	2	3	2	2	2	2
CO2	3	3	2	3	3	1	1	3	3	3	3	2	3	2	3
CO3	3	3	3	2	2	2	2	3	3	3	2	2	2	1	3
CO4	3	1	3	3	3	3	1	3	3	2	2	2	3	2	3
CO5	3	1	2	3	2	1	3	3	3	2	2	2	3	2	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator <i>Dr. Azkiya Harris</i> Azkiya	Sign & Seal of HoD <i>Md. Ali</i> 
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Integral University, Lucknow

Effective from Session: 2019-2020							
Course Code	ED 417	Title of the Course	Method of Teaching Commerce	L	T	P	C
Year	1st	Semester	2nd	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	Nil				
Course Objectives	To acquaint the students with the concept and importance of History in secondary school curriculum. To make the students know about aims and objectives of teaching History. To acquaint the students with significance of lesson planning in History. To develop among student's competencies in teaching of History at secondary level. To enable the student's apply appropriate method and techniques for teaching of History at secondary level. To acquaint the students with significance of about unit planning and syllabus planning.						

Course Outcomes	
CO1	Students will be able to understand aims and objectives of Teaching commerce.
CO2	Students will be able to understand the concept of Accountancy
CO3	Students will be able to understanding the process of lesson planning
CO4	Students will be able to use Instructional media in their teaching.
CO5	Students will be able to understand the concept and process of evaluation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	1 AIMS, OBJECTIVES AND NATURE OF COMMERCE AS A DISCIPLINE	Meaning, Nature, Scope and Importance of commerce as a Discipline and its relation with other disciplines Historical Perspective with development of Commerce as Subject and Discipline. Aims and Objectives of Commerce teaching at higher secondary stage.	8	1
2	SUBJECT MATTER IN DISCIPLINE	Trade : Meaning, Concept, importance and Functions Business Organization : Concept, Importance and Types Concepts of Accountancy : Book-Keeping, Journal, Subsidiary Books, Final Accounts, Bill of Exchange, Partnership, Shares and Company Final Accounts Management : Concept, Principles Functions (POSDCoRB) Banking : Meaning, Types and functions. Concept and Process of E-Commerce	8	2
3	LESSON PLANNING AND RESOURCES SUPPLEMENTING TEACHING-LEARNING	Meaning, Need and Preparation of Lesson Plan in Commerce Need and Importance of Commerce Room Co-curricular Activities : Types , Role and Significance of Co-curricular Activities in teaching Economics	8	3
4	INSTRUCTIONAL MEDIA	Instructional Media : Concept, Importance and types of instructional Media and their use in teaching of Economics	8	4
5	EVALUATION IN COMMERCE	Meaning and Purpose of Evaluation, Formative and Summative Evaluation Construction of an Achievement Test in Commerce, Characteristics of Good Achievement Test	8	5

Reference Books:

1. Agrawal, A. N. Business methods and machinery, kitabmahal, Allahabad, 1981
2. Bhusham, Y. K. Fundamental of business organization and management, sultan Chand & sons, Darya Ganj, New Delhi-1991
3. Haradway, M. Testing and Evaluation in business education ,Cincinnati, south western publishing co, 1966.
4. Kapoor,N.D. Principles and practice of accountancy, Pitamber publishing co., New Delhi, 1990.
5. Khan M,S. commerce Education ,sterling publishers, pvt. Ltd. New Delhi, 1982.

e-Learning Source:

https://drive.google.com/file/d/1v9zVSX-PeO_mMAIU3rwz91CfiD5wvI-n/view?usp=sharing

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO															
CO1	1	2	1	1	1	2	1	1	2	3	2	2	1	1	1
CO2	1	1	1	1	1	2	2	1	2	2	3	3	1	1	2
CO3	1	2	3	2	1	3	1	3	2	2	3	1	2	1	1
CO4	1	2	1	3	1	2	3	2	2	1	3	2	1	1	2
CO5	2	3	2	1	2	1	1	1	2	1	2	1	2	1	2

<i>Dr Azkiya Waris</i> <i>Azkiya W</i> Name & Sign of Program Coordinator	<i>M. A. Khan</i> Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2019-20

Course Code	ED418	Title of the Course	Method of Teaching Social Studies	L	T	P	C
Year	1st	Semester	2nd	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	Nil				
Course Objectives	The purpose of this under graduate course is to equip students with strong foundation of knowledge and skills in the fields of Teaching Social studies. By using the principal of teaching Social studies By using the principal of learning and teaching students may enable themselves a better teacher. .After successfully completion of course, the student will able explore subject into their respective dimensions..						

Course Outcomes

CO1	To acquaint the students with the concept and importance of Social Studies in secondary school
CO2	To make the students know about aims and objectives of teaching Social Studies
CO3	To acquaint the students with significance of lesson planning in Social Studies.
CO4	To develop among students competencies in teaching of Social Studies at secondary level.
CO5	To enable the students to prepare a year plan and unit plan.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Meaning nature and significance of Social Studies	Concept of Social Studies, differentiate between Social Studies and Social Science The need for teaching different subjects in Social Studies. Present perception about Social Studies, Importance of teaching Social Studies at secondary school curriculum. Principle of designing Social Studies curriculum.	8	1
2	Aims and Objectives Teaching of Social Studies	Differentiate between aims and objectives. Aims and objectives of teaching social studies at Secondary School Stage. Teaching aids- Meaning, Need and types	8	2
3	Method of Teaching Social Studies	Methods: concepts and meaning. Assignment Method Team Teaching Method Supplementary reading material	8	3
4	Lesson Planning	Meaning and importance of lesson planning. Characteristics of good lesson plan Steps of lesson planning Various approaches to lesson planning	8	4
5	Year plan and Unit Plan	Year plan: meaning and concept. Unit Plan: meaning, make a blue print.	8	5

Reference Books:

1. Agrawal ,J.C."Teaching social studies" Vikas publishing house ,pvt. Ltd, Delhi, 1989. Bining ,A.C. &Bining ,A.H.
2. "Teaching the social study in secondary school",Mc Graw Hill Company ,New York ,1952.
3. Kaushik ,vijay kumari "teaching of social studies in elementary school ,"Anmol publication ,Delhi,1992.
3. Sharma B.L., "samajik Adhyayan shikshan ,surya publication ,meerut,1998.

e-Learning Source:

<https://drive.google.com/drive/folders/1p1pTZkAm7Xffr6qtUpXhNbXa-EiV Swu?usp=share link>

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO 7	PSO 8
CO1	2	1	1	2	4	3	4	3	2	4	1	3	4	2	1
CO2	3	2	4	2	2	4	1	2	1	3	4	2	4	1	3
CO3	2	2	1	3	4	1	2	1	2	2	3	2	3	2	1
CO4	1	2	2	1	2	1	3	2	2	2	3	4	2	1	2
CO5	2	3	2	2	2	2	2	3	3	1	2	1	3	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator

Dr Azkiya Harris

Azkiya HS

Sign & Seal of HoD





Integral University, Lucknow

Effective from Session: 2019-20							
Course Code	ED419	Title of the Course	Methods of Teaching Mathematics	L	T	P	C
Year	Ist	Semester	IInd	3	1	0	4
Pre-Requisite	Graduation with any Discipline	Co-requisite	Nil				
Course Objectives	The objectives of this course are to develop understanding in Mathematics teaching. To know the different types of teaching Mathematics, Unit and Lesson plan, methods and Techniques and Measurement and Evaluation in Mathematics						

Course Outcomes	
CO1	Understand the Meaning, Concept, aims and objectives of teaching Mathematics at Secondary stage
CO2	Know the different types of Correlation of Mathematics with other subjects
CO3	Acquaint students about Lesson and Unit planning in Mathematics
CO4	Methods and Techniques for teaching Mathematics at school level
CO5	Understand the Measurement and Evaluation in Mathematics

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Concept and Objectives of Teaching Mathematics	Meaning, Concept and Definitions of Mathematics, Purpose of teaching Mathematics in Present Scenario, Nature and Values of Teaching Mathematics, Aims and Objectives of Teaching Mathematics at school level, Correlations of Mathematics with other school subjects	8	1
2	Unit Planning in Mathematics	Meaning and Definitions of Unit Planning, Need and Importance of Unit Planning for a teacher, Steps for preparation in Unit Planning, Sample Unit plan for teaching of Arithmetic, Algebra, Geometry and Trigonometry	8	2
3	Lesson Planning in Mathematics	Meaning and Definitions of Lesson Planning, Need and Importance of Lesson Planning for a teacher, Steps for preparation in Lesson Planning, Sample lesson plan for teaching of Arithmetic, Algebra, Geometry and Trigonometry	8	3
4	Methods and Techniques of Teaching Mathematics	Various approaches of Teaching Mathematics, Meaning and Definitions of Methods, Strategies and Tactics of Teaching mathematics, Meaning, definitions and Merits and Demerits of Analysis-Synthesis. Induction Deduction	8	4
5	Measurement and Evaluation in Mathematics	Meaning and Definitions of Measurement and Evaluation in Mathematics, Techniques of Teaching, Mathematics: Oral, Written and Drill-work, Home Assignment, Self-study, Characteristics of a Good Measuring Tool: General Criteria and technical Criteria	8	5

Reference Books:

1. Kulshreshtha, A.K. (2006). "Teaching of Mathematics" R. Lall Book Depot, Meerut
2. Bhatnagar, A.B. (2010). "Teaching of Mathematics" R.Lall Book Depot, Meerut
3. Arora, S.K. (1998). "How to teach Mathematics" Shanti Publishers, Bhiwani
4. Thomas, A. S. (1993). Mathematics for Elementary Teachers (An Interactive Approach), Florida: HBJ Publishers
5. Rawat, M.S. (2020) "Teaching of Mathematics" Vinod Pustak Mandir, Agra
6. Siddhu, K.S. (2018) "Teaching of Mathematics" Sterling Publication, New Delhi
7. Kapur, J.N. (1991). Suggested Experiments in School Mathematics. New Delhi: Arya Book Depot
8. Jain, S. L. (1973). Ganit Shikshan. Jaipur: Hindi Granth Academy
9. Kapoor, J. N. (1988). Vidyalyaya Ganit ke Liye San Prayog. New Delhi: Arya Book Depot
10. Shankaran & Gupta, H.N. (1984). Content-cum-Methodology of Teaching Mathematics. New Delhi: NCERT.

e-Learning Source:

<http://pedagogybyvasu.blogspot.com/2019/06/aims-and-objectives-of-teaching.html>

http://yayoi.senri.ed.jp/ois/curriculum/maths_aims_objs.html

<http://www.yogiraj.co.in/unit-plan>

<http://www.wikihow.com/Make-a-lesson-Plan>

PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	2	2	3	3	2	3	2	3	2	3	3	2	3	2
CO2	2	3	3	2	3	3	3	3	2	3	2	2	3	2	3
CO3	3	2	3	3	3	3	2	3	2	3	3	3	3	2	2
CO4	2	3	2	3	2	3	2	3	3	3	3	2	3	2	3
CO5	3	3	3	3	3	3	2	3	3	3	2	3	2	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr Azkiya Waris
Azkiya Waris

Name & Sign of Program Coordinator

Head

Sign & Seal of HoD
Head

Department of Education
Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2019-20							
Course Code	ED420	Title of the Course	Methods of Teaching Home Science	L	T	P	C
Year	I	Semester	II	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	Nil				
Course Objectives	The purpose of this course is to impart basic and key knowledge of Home Science. After successful completion of course, the student will able to develop skill and competence for effective teaching and evaluation in Home Science.						

Course Outcomes	
CO1	Understand the concepts, aims and objectives of teaching Home Science and their use in class room situation
CO2	Acquire competence in various methods, strategies and techniques of teaching Home Science at secondary level
CO3	Familiarize with the meaning, need and steps of Unit Planning
CO4	Acquaint with the meaning, need and steps of Lesson Planning
CO5	Develop skill and competence for Practical aspects in Home Science

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	AIMS AND OBJECTIVES OF TEACHING HOME SCIENCE	The Modern concept of Home Science Education & its relevance. Meaning, nature, scope and importance of Home-Science. Aims and Objectives of teaching Home-Science at Secondary level.	8	1
2	METHODS AND TECHNIQUES OF TEACHING HOME SCIENCE	Lecture Method: Guidelines for effective lecture. Merits and Demerits of Lecture method. Lecture Cum- Demonstration method: Merits and Demerits Preparation for effective demonstration. Laboratory method: Merits and Demerits. Project method: Meaning and the main features of a project. Advantages and Disadvantages of Project method.	8	2
3	UNIT PLANNING	Meaning and Importance of Unit Planning Steps of Unit Planning Features of a Good Unit	8	3
4	LESSON PLANNING	Meaning and Importance of Lesson Planning Steps of Lesson Planning Quality of a Good Lesson Plan A Model of Lesson Plan of Home Science.	8	4
5	PRACTICAL ASPECTS OF HOME SCIENCE	Preparation of different Recipes Diet Planning Samples of Embroidery Stitches	8	5

Reference Books:

1. Bansal Suraksha & Maheswari Sudha, (2010), Teaching of Home Science, Mccrur, International Publishing House.
2. Sheri G.P & Saran D.P (2008) Teaching of Home Science ,New Delhi: Vinod Pustak Mandir
3. Yadav Seema (2001) Teaching of Home Science, New Delhi: Anmol Publication.
4. Sahni Madhu , (1998) ,Indian Home Science, Varanasi: Hindi Prakashak Publications.

e-Learning Source:

- <https://drive.google.com/drive/folders/1bLMoXPR-KEzZsUZRR0jdp6eaqvPqKir5?usp=sharing>
- <https://classroom.google.com/c/OTM5MTY5NDUyODJa/p/MTQyMDE4NjgyNzA0/details>
- <https://classroom.google.com/c/OTM5MTY5NDUyODJa/m/MzEyMjI3NDE1Nzc2/details>
- <https://classroom.google.com/c/OTM5MTY5NDUyODJa/m/MzEyMjEzMjU5MDU5Mjly/details>

PO-PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	1	3	3	2	2	1	2	2	2	3	2	2	3	2	2
CO2	1	3	3	2	3	2	3	2	3	3	3	3	3	2	2
CO3	1	3	2	3	3	2	2	2	1	4	3	3	3	3	3
CO4	1	3	2	3	3	2	3	3	1	4	3	3	3	3	3
CO5	1	2	1	3	3	1	3	2	3	2	2	3	3	2	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr. Azkiya Harris

Azkiya HS

Name & Sign of Program Coordinator

Sign & Seal of HOD





Integral University, Lucknow

Effective from Session: 2023-24							
Course Code	ED421		Methods of teaching Physical Sciences	L	T	P	C
Year	1	Semester	2	3	1	-	4
Pre-Requisite	GRADUATION	Co-requisite					
Course Objectives							
To enable students to describe characteristics, aims of teaching science and role of science teacher							
To equip students to identify different approaches used in teaching physical science							
To make students aware of explain the pedagogical shift and principles of curriculum							
To prepare students to plan the teaching of physical science and prepare the teaching aids							
Course Outcomes							
CO1	Enumerate characteristics, aims of teaching science and role of science teacher						
CO2	Identify different approaches used in teaching physical science						
CO3	Explain the pedagogical shift and principles of curriculum						
CO4	Plan the teaching of physical science and prepare the teaching aids						
CO5	Identify the need laboratory as learning resource in teaching physical science						

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	- MEANING OF SCIENCE AND SCIENCE TEACHER	Meaning and nature of science, Aims and objectives of learning physical science, Utility of physical science in school curriculum, Role of science teacher in developing scientific attitude and scientific temper	8	1
2	APPROACHES IN TEACHING PHYSICAL SCIENCE	Approaches and strategies of learning science, Constructivist approach, Collaborative learning approach, Problem solving approach, Inquiry approach	8	2
3	PEDAGOGY OF PHYSICAL SCIENCE	Pedagogical shift-planning teaching learning experiences Principles of curriculum in physical science, Evaluation in physical science: Theory and practical	8	3
4	PLANNING IN TEACHING PHYSICAL SCIENCE	Unit planning and lesson planning, Need, Importance and preparation, Preparation of sample plan, Teaching aids in physical science, Lifelong learning in sciences	8	4
5	- PRACTICAL ASPECT IN PHYSICAL SCIENCE	Laboratory as a learning resource: need and features, Organization of science laboratory, precautions in using science laboratory, Laboratory as learning resource, Basic concepts of simple circuits, Reflection and refraction of light, Introduction of organic and inorganic compounds, Components of air- properties and identification	8	5

Reference Books:

1. Das, R.C. curriculum and evaluation, NCERT
2. Kulshreshtha, S.P. Teaching of Science, Merrut
3. Dayal, Deepak, Modern methods of teaching Physics, New Delhi
4. Kalra, R.M. & Gupta, Vandana, Teaching of science, MVC, Delhi

e-Learning Source:

<https://sprahhaknecce.blogspot.com/2012/03/unit-5-methods-of-teaching-physical.html>
https://ddcentknlac.in/Syllabus/MA_Education/Education_Paper_5_SCIENCE.pdf
https://ncert.nic.in/textbook/pdf/phy_sei_part1.pdf

Course Articulation Matrix: (Mapping of COs with POs and PSOs)													
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	1	2	3	1	3	1	1	3	3	3	1	3	1
CO2	1	2	3	1	2	1	1	3	2	3	1	2	1
CO3	1	3	3	1	2	1	1	3	3	3	1	3	1
CO4	1	2	3	1	2	1	1	3	2	3	1	3	1
CO5	1	3	3	1	2	1	1	3	2	3	1	2	1

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr. Arkhya Waris Name & Sign of Program Coordinator	Arkhyas Sign & Seal of Head
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APPROVED BY
ACADEMIC COUNCIL
ON...15/7/23...



INTEGRAL UNIVERSITY, LUCKNOW

Effective from Session:2025-26							
Course Code	ED422	Title of the Course	Methods of Teaching Biological Science	L	T	P	C
Year	I	Semester	II	3	1	0	4
Pre-Requisite	---	Co-requisite	---	--	--	--	--
Course Objectives	• Develop awareness about development in the area of teaching and learning of Biological science • Develop skill and competencies in the pupil teacher related to Biological Science at Secondary level. • Use various methods and approaches of Biological Science. • Develop an understanding of modern technique & approaches for teaching Biological Science. • Prepare Unit plan, Lesson Plan in Biological Science. • Acquire necessary skills & training for school-based activities such as Science Clubs, Science Fairs, organization of lab etc.						
Course Outcomes							
CO1	Students will be able to understand aims and objectives of Biological Science						
CO2	Students will be able to define Teaching Aids						
CO3	Students will be able to understand different types of methods.						
CO4	Students will be able to define Evaluation						
CO5	Students will be able to understand practical aspects of Biological Science						
Unit No.	Title of the Unit	Content of Unit			Contact Hrs.	Mapped CO	
1	Aims and objectives of teaching Biological Science	• Meaning and Nature of Science • Aims and objectives of teaching Biological Science at Secondary School level • Need and Importance of teaching Biological Science at Secondary School level. • Curriculum of Biological Science with other school subjects.			8	1	
2	Method of teaching Biological Science	• Lecture & Lecture Cum- Demonstration Method: Merits and Demerits. • Laboratory method: Merits and Demerits. • Heuristic Method – Meaning and use of Heuristic method in biological science. Merits and Demerits of Heuristic method. • Project method: Meaning and Definition of a project. Steps of Project Method, Merits and demerits of Project Method.			8	2	
3	Unit and Lesson Planning	• Unit Planning - Meaning, need, importance and preparation. • Lesson planning – Meaning, need, importance and preparation. • Different types of teaching aids – Audio, Visual and Audio – visual aids in biological science. • Use of ICT and Blended Learning in Pedagogy of Biological Sciences. • Preparation of lesson plans by using ICT			8	3	
4	Evaluation & Co-curricular Activities	• Meaning and Concept of Evaluation. • Types of test: - Essay type test & Objective type test – Characteristics Merits and Limitations • Co-curricular activities in Biological Science- Field trips, Excursion, Science Club and Science Museum			8	4	
5	Practical Aspects of Biological Science	• Animal Kingdom • A Study of Microscope, General survey of Animal Kingdom's Specimen any eight. • Plant Physiology: • Demonstrate and understand the phenomenon of osmosis by potato osmoscope. • Demonstrate and understand the phenomenon of plasmolysis by cells of beetroot. • Practicum • Botany • Section cutting • Glycerin mounts the stained transverse section of monocot and dicot stems. • Study of various stages of mitosis in a permanent slide of the root tip of onion. • Transpiration by Bell Jar Method.			8	5	

E Ar →

Reference Books:

1. Kulshrestha S. P. , (2006), Teaching of Biology, Meerut, R. Lal book Depot.
2. BhaskaraRao, D (2000): Teaching of Biology, Nagarjuna Publishers, Gunter
3. Kumar Bandre, (2007), A textbook of Practical Botony, Meerut, Rastogi Publications.
4. Mangal S.K (2005): Teaching of Life Sciences, New Delhi, Arya Book Depot.
5. Gupta V.K (1994): Life Sciences Education Today, Arun Publishing House.

e-Learning Source:

https://drive.google.com/file/d/1xNgin042pZJJkioRRqk9P0BYPuD8tqlu/view?usp=share_link
<https://www.slideshare.net/slideshow/approaches-of-teaching-biological-sciencepdf/251609363>
<https://www.slideshare.net/slideshow/lesson-and-unit-planning/256646408>
<https://www.slideshare.net/slideshow/aims-objectives-of-teaching-biological-science/248368561>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	2	2	2	2	1	1	2	2	3	2	2	2	3	3
CO2	2	2	2	1	1	2	2	3	2	2	3	3	3	3	2
CO3	2	3	3	2	1	2	2	2	2	2	3	2	4	3	4
CO4	2	2	2	1	1	2	2	2	2	1	3	2	3	2	3
CO5	3	2	2	2	1	2	2	1	3	3	1	3	2	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Dr. Akriya Waris
Akriya

Name & Sign of Program Coordinator

E. Ar
 Sign & Seal of HoD

Head
 Department of Education
 Integral University, Lucknow

INTEGRAL UNIVERSITY
FACULTY OF EDUCATION
MICRO-TEACHING. (ED-496)
w.e.f. Session- 2022-23

L T P C

0 0 8 4

CA-100

Category-DC

Code-ED-496

Duration – 4 Weeks

OBJECTIVES:

After completing the course the student teacher will be able to :

- Assimilate and learn new teaching skills under controlled conditions among the pupil teachers.
- Utilize the available material, money and time to the maximum.
- Provide required feedback
- Develop confidence in teaching.
- Acquire mastery in a number of teaching skills.
- Simplify the teaching process.
- Attain perfection in teaching.
- Modify the teaching behaviors in the required manner.
- Reduce the complexity of teaching.
- Acquire new teaching skills and to refine old ones.

Sl No	Components	Marks
1	Preparation, Presentation and Use of Teaching Learning Materials (TLM) in each teaching subject.	5x2=10
2	Microteaching Skills(Nine Skills) in each teaching subject.	3x9=27 In each teaching subject 27x2=54
3	One Simulated Plan in each teaching subject.	5x2=10
4	School Observation	26

Micro-Teaching Skills

- 1- Writing Instructional Objectives
- 2- Set Induction
- 3- Explanation
- 4- Questioning
- 5- Illustration with Examples
- 6- Use of Teaching Aids
- 7- Reinforcement
- 8- Stimulus Variation
- 9- Black Board Management

MICRO-TEACHING
Course Code: ED496

Subject: Updating Units for Microteaching on ILI portal

Units	Content	Marks
Unit 1	Microteaching Skills-I 1. Writing Instructional Objectives 2. Set Induction 3. Explanation	3*3 (In each teaching subject) 9*2
Unit 2	Microteaching Skills-II 4. Questioning 5. Illustration with example 6. Use of Teaching Aids	3*3 (In each teaching subject) 9*2
Unit 3	Microteaching Skills-III 7. Reinforcement skill 8. Stimulus variation 9. Blackboard Management Skill	3*3 (In each teaching subject) 9*2
Unit 4	One Simulated Plan in each teaching subject	5*2
Unit 5	Preparation, Presentation and Use of Teaching of Teaching Learning Material (TLM) in each teaching subject.	5*2
	School Observation	26

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SCHOOL OBSERVATION

Course Objectives:

1. To acquire knowledge about the school infra structure
2. To provide the best opportunity to students to understand the physical environment of the school.
3. To develop understanding of different academic, co-curricular and administrative activities.

Instructions:

1. The students will observe the ambience and Infra structure of school complex
2. The students will observe the Class room Teaching, Practical work, Co-curricular Activities and Administrative Activities.

The Format of school Observation is elaborated in detail:

1- A-Observation of School Complex:

- Number of Classrooms
- Location of the Class
- Shape of the Class
- Lighting and Ventilation
- Number of Toilets (Male and Female)

B-Physical Observation:

- Principal Room
- Staff Room
- Library
- Laboratory
- School Office
- Playground
- Teacher's Table and Chair
- Other Furniture

2- Observation of Activities:

A -Classroom Teaching and Practical Work:

- Teaching Method and Teaching Learning Resources
- Student Involvement and Participation
- Motivation level in the class
- Classroom Questioning
- Personality of the Teacher
- Classroom Control
- Students involvement in the class
- Teachers entry behaviour and Introduction of lesson

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B- Co Curricular Activities:

- Students participation in co curricular activities
- Interaction and observation of behaviour of students
- Performance of students
- Reward and Reinforcement
- Role and responsibilities of students
- Students involvement as Class Representative

C- Administrative Activities:

- Parent Teacher Meeting Interaction
- Staff Meeting Interaction
- Role of Teachers as Incharge of different Activities
- Teachers Orientation Programmes
- Teacher's In-service Programme

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