



# **WMO ARTS AND SCIENCE COLLEGE**

Affiliated to University of Calicut

**Samples of Semester Plans During 2020-2021**

## **SEMESTER PLAN**

DEPARTMENT : ECONOMICS  
Semester : 1ST  
Semester period : 19/11/2020 to 15/03/2021  
Name of paper : Indian Constitution and Politics  
Name of teacher : Rubeena p  
Total number of hours: 6 hours per week  
No. of modules : 5  
Online Platforms Used : Google Classroom , Teachmint

### **Module 1**

Objectives : Importance of Constitution  
Method of teaching :70% lecture method and 30% discussion method  
Evaluation method : examination and assignment  
Assignment topic : A Brief Analysis of National Movements  
Outcomes expected : basic knowledge about Indian Constitution  
Hours taken : 20

### **Module 2**

Objective : make students aware about basic features of Indian constitution  
Method of teaching :80% lecture method and20% discussion method  
Evaluation method : examination and webinar  
Webinar : implementation of DPSP  
Online Exam date : 04/12/2020

Outcomes expected : to make a clear vision about the features of Indian constitution

Hours taken :30

### Module 3

Objective : union executive

Method of teaching :50% lecture method and 50% discussion

Evaluation method : assignment

Assignment : council of ministers and their functions

Outcomes expected : to know about the administrative system of india

Hours taken :20

### Module 4

Objective : state executive

Method of teaching : 50% lecture method and 50% discussion method

Evaluation method : debate

debate : value of constitution in present scenario&Federalism

Examination :05/01/2021

Outcomes expected : knowledge about the state administration

Hours taken : 20

## Module 5

Objective : Indian Judicial System

Method of teaching :50% lecture method and 50% discussion

Evaluation method : assignment

Assignment : discuss the power and jurisdiction of the supreme court of india

Outcomes expected : to know about the judicial system of india

Hours taken :20

**Core Course**  
**ENG1B01: INTRODUCING LITERATURE**  
**CREDITS (5)**  
**HOURS 108**  
**Semester Plan-2020 admission (Online mode- Google classroom,**  
**WhatsApp)**

**Name of the teacher: SHAIMINA C**

1. Date of starting the semester: 01/07/2020
2. Expected semester end: 30 /11/2020
3. Total hours required as per syllabus: 108

**Objective of this paper.**

- a. To introduce students to the language of literature, i.e., the meaning-making devices, verb phrases, collocations, linkers, sense groups and their functions in the literary text
- b. To train the students to identify the linguistic structures of poetic texts: symbols, metaphors, and other tropes and equip them in poetic conventions
- c. To recognize diverse points of view within a single text and to understand the rationale of polyphony
- d. To prepare students in reading literary/cultural texts closely, beyond the literal.
- e. To enable students to recognize the dominant voice/s within the text and its agendas
- f. To encourage questioning the text in order to perceive marginalized voices - the voices of the child, Dalit, transgender and female
- g. To comprehend how the subaltern perspectives question and counter the privileged voices in the mainstream texts

**Module 1- Language and its Literary Nuances**

Signifying Devices

The Syntax: Verb Phrases, Adjuncts, Collocations, Linkers, Sense Groups

The Poetic: Comparisons, Exaggerations, Images, Symbols, Iamb, Trochee, Caesura, Enjambment

Texts:

1. Ruskin Bond "Eyes of the Cat"
2. Anton Chekhov "The Death of a Clerk"
3. Alfred Lord Tennyson "The Oak"
4. Langston Hughes "Dreams"
5. Emily Dickinson "Because I could not Stop for Death"

**Objectives of this section**

- To introduce students to the language of literature, i.e., the meaning-making devices, verb phrases, collocations, linkers, sense groups and their functions in the literary text
- To develop aesthetic sense and literary taste in the student

- To provide an overview of English literature.
- To introduce the students to the basic elements of Language and its literary nuances, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry.

**Pre-requisites:**

- Students should have basic idea of English Literature
- They should get various poetic devices
- They should be able to go through line-by-line analysis of poem

**Evaluation methods:**

- Unit tests- 2 (second week of Aug and the second week of September)
- Assignments-2
- Seminar-2

**Module 2: Polyphonic Texts**

Point of view (diegesis), polyphony and its rationale, single perspective and its dangers

Texts:

1. Freya Stark Winter in Arabia (excerpts)
2. Laura Bohannon "Shakespeare in the Bush"
3. Akira Kurosawa dir. Rashomon

**Objectives**

- To recognize diverse points of view within a single text and to understand the rationale of polyphony
- Major themes, motifs and literary background in polyphonic texts.
- To introduce students to the thematic concerns, genres and trends of English literature.

**Pre-requisites:**

- They should know the basics narrative techniques in fiction.
- They should have basic ideas about the writers and their literary background.

**Evaluation methods:**

- Unit tests- 2 (First week of September and the end of October)
- Assignments-2
- Seminar 2

## **Module 3: Literature and Ideology**

The workings of power structures in literature; explication of the terms -ideology, hegemony, interpellation, discourse, grand narratives, little narratives – using literary texts; literary devices like irony and paradox and their role in reinforcing ideology.

Texts:

1. Freya Stark Winter in Arabia (excerpts)
2. Laura Bohannon “Shakespeare in the Bush”
3. Akira Kurosawa dir. Rashomon

### **Objectives**

- a. To prepare students in reading literary/cultural texts closely, beyond the literal.
- b. To enable students to recognize the dominant voice/s within the text and its agendas
- c. To introduce to them the basic concepts of style and literary devices in literary texts.
- d. To acquaint them with cultural diversity and divergence in perspectives.
- e. To develop their critical thinking abilities and write creatively and critically

### **Pre-requisites:**

- Students should have basic idea of English Literature
- Students should familiarize with different types of Literary texts.

### **Evaluation methods:**

- Unit tests- 2 (second week of September and the end of October)
- Assignments-2
- Seminar 2

## **Module 4: Perspective of the Subaltern**

Dominant voices, marginalized voices, subaltern identities, resisting the norm/authority

Texts:

1. RK Narayan Swami and Friends (Excerpt from Chapter XI “In Father’s Presence”)
2. Arun Kamble “Which language should I Speak?” and FM Shinde “Habit”
3. The Letter Q: Ely Shipley
4. Maxine Hong Kingston “No Name Woman”

## **Objectives**

- To encourage questioning the text in order to perceive marginalized voices - the voices of the child, Dalit, transgender and female
- To comprehend how the subaltern perspectives question and counter the privileged voices in the mainstream texts
- To develop aesthetic sense and literary taste in the student.

## **Pre-requisites:**

- Students should have to get the basic introduction to English literature
- They should know the concept of marginalization and class structure.
- They should have knowledge about the theme, motifs and techniques in literary texts.

## **Evaluation methods:**

- Unit tests- 2 (First week of October and the end of November)
- Assignments-2
- Seminar 2



**Common Course**  
**EN2A03 Writing for Academic Professional Success**  
**CREDITS (3)**  
**HOURS 72**  
**Semester Plan (2020 -2021)**

**Online Mode**

- Google Meet
- Google Classroom
- YouTube Videos

**Name of the teacher: KAMARUNEESA T K**

1. Date of starting the semester: 01/07/2021
2. Expected semester end: 30 /11/2021
3. Total hours required as per syllabus: 72

**Objective of this paper**

- a. To provide an overview of the various phases of the evolution of writing
- b. To introduce students to Professional writing

**Module 1-The Process of Writing**

- introduction to Academic writing.
- what is academic writing ?
- Types of academic of academic writing
- structuring the Essay

**Objectives of this section**

- To enable the students to learn the Purpose of writing
- To develop written communication in the students
- To provide an overview of the importance of essay
- To introduce the students to the basic elements of writing
- To introduce Selection of vocabulary and adjectives .

: Pre-requisites:

- Students should have basic idea about proof -reading and editing
- They should get various style of writing

**Evaluation methods:**

- Unit tests- 2 (second week of Aug and the second week of September)
- Assignments-2

- Seminar-2

## **Module 2: Elements of Writing**

- shaping strategies
- Discussions
- Academic style
- Punctuation

### **Objectives**

- a. To familiarize the students with different Mechanics and conventions of writing
- b. To introduce to them the basic concepts of grammar

### **Pre-requisites:**

- Students should have basic idea of sentence formation

### **Evaluation methods:**

- Unit tests- 2 (second week of September and the end of October)
- Assignments-2
- Seminar 2

## **Module 3: Writing for Professional Purposes I**

- writing reviews
- Writing Case Studies
- Writing Reports

### **Objectives**

- Students understand the basics of Reviewing books
- Students understands the basic of collecting data and Conducting surveys

### **Pre-requisites:**

- They should know the basics narrative techniques
- They should have basic ideas about the writers

### **Evaluation methods:**

- Unit tests- 2 (First week of September and the end of October)
- Assignments-2

- Seminar 2

## **Module 4: Writing for Professional Purposes II**

- Writing CVs
- Letter Writing: Transmittal and cover letters \_ Emails
- Writing summaries
- Writing memos
- On writing blogs
- Etiquette in writing

### **Objectives**

- Students should get the basic idea of CV and its importance in professional life
- Students have to understand the techniques of writing blogs
- Students have to understand different types of letter writing

### **Pre-requisites:**

- Students should have to get the basic introduction to the sentence structures
- They should have profound knowledge of Vocabulary

### **Evaluation methods:**

- Unit tests- 2 (First week of October and the end of November)
- Assignments-2
- Seminar 2

# ENG3B03 APPRECIATING PROSE

## (4 Credits)

72hours (Credits - 4)  
Semester Plan 2020 – 2021

### ONLINE MODE

- Google class room
- WhatsApp
- Google meet

### Name of the teacher: NABEELA T A

- 1.Date of starting the semester: 01/07/2020
2. Expected semester end: 30 /11/2020
3. Total hours required as per syllabus: 72

### OBJECTIVES OF THE COURSE

- a. To familiarize the students with different types of prose writing.
- b. To introduce to them the basic concepts of style and literary devices in prose.
- c. To acquaint them with cultural diversity and divergence in perspectives
- d. To develop their critical thinking abilities and write creatively and critically.

### Module-I (30 hours)

:Introduction to Prose Etymology – Prose varieties –Fiction/Short Story/Tales -Autobiography/Biography -Newspaper/Journal Articles -Philosophical/Scientific Essays –Travelogues –Speech. Functions of prose. Evolution of Prose - Early translations- King Alfred- the Anglo Saxon Chronicle- homilies- bible translations-secular prose-Morte D’arthur- Elizabethan prose-tracts, pamphlets and treatises- eighteenth century prose – Victorian and modern prose. •Essay – formal/impersonal essay and informal/personal essay •

Types of formal essays: periodical essay, critical essay •Personal essays /Life Writing: biography, autobiography, memoir and diaries

### **Objectives of this section**

- To understand the prose section in literature.
- To learn different types of prose.

### **Pre-requisites:**

- Students should have interest in prose reading.
- They should know some prose in literature.

### **Evaluation methods**

- Unit tests- 2 (The end of August and the end of September)
- Assignments-2
- Presentation 1

## **Module-II (30 hours)**

Reflections and speeches

1. Francis Bacon : Of Studies
2. Charles Lamb : Dream Children :A Reverie.
3. G. K Chesterton : On Running After One's Hat
4. Albert Camus : Nobel Acceptance Speech
5. Arundhati Roy : Come September
6. Pico Iyer : In Praise of the Humble Comma (Biography/Autobiography/Memoir)
7. Chinua Achebe : The Education of a British Protected Child(extract from the text.)
8. Marcel Junod : The First Atom Bomb. (extract from Warrior Without Weapons, translated by Edward Fitzgerald.)
9. Usha Jesudasan : Justice vs Mercy

### **Objectives.**

- 🎬 To help the students to analyse different prose.
- 🎬 To familiar with prose writers.
- 🎬 To develop interest in English literature.

### **Pre – requisites.**

- 🎬 Students should have knowledge about some literary works.
- 🎬 They should have knowledge about English writers.

### **Evaluation methods:**

- Unit tests- 2 (The end of October and the end of November)
- Assignments-2
- Practical session through Google meet 2

### **Module-III (12 hours)**

#### Evaluation

1. Prose Reading
2. Analysis of different literary works.
3. Essay writing etc..

# SEMESTER PLAN

**Department** : Mathematics

**Semester** : First semester MSc

**Semester period** : 25-11-2020 to 31-03-2021

**Name of the paper** : Algebra 1

**Name of the teacher** : Chiranmay Murali

**Total number of hours prescribed in syllabus** : 90

**No.of.modules** : 3

**Bridge course Objectives** : Understanding basic abstract algebra

## **Method of Teaching**

*Lecture method* : 25 %

*Classroom discussion* : 50 %

*Solving exercise questions* : 25 %

**Evaluation Method**: Class test

**No.of hours** : 10

## **Module 1**

**Objectives** : Direct products and finitely generated Abelian groups , Factor groups and related topics

## **Method of teaching**

*Lecture method* : 70 %

*Classroom discussion* : 20 %

*Seminar* : 10 %

**Evaluation methods**: Examinations Assignments

**No.of hours** : 25

**Outcomes expected**: Students must be able to analyse different group structures and understanding the objectives properly

## Module 2

**Objectives :** Isomorphism theorems , Sylowtheorems and Applications

Prerequisites Students must know about isomorphism and basic algebra

### **Method of teaching**

*Lecture method : 70 %*

*Classroom discussion : 20 %*

*Seminar : 10 %*

**Evaluation methods:** Examinations ,Assignments

**No.of hours :** 30

**Outcomes expected :**Students must be able to use sylow theorems in Applied level . Understanding isomorphism and different algebraic concepts

## Module 3

**Objectives:** Factorization of polynomials over a field , Group presentation , Ring polynomials and factor rings

**Prerequisites:** Proper knowledge on Rings , Fields and Homomorphisms

### **Method of teaching**

*Lecture method : 70 %*

*Classroom discussion : 20 %*

*Seminar : 10 %*

**No.of hours :** 25

**Evaluation methods:** Examinations Assignments

### **Evaluations**

#### Internal Exams

1. 29-12-2020

2. 30-01-2021

3. 20-02-2021

#### Assignments



Assignment 1: 28.12.2020

Assignment 2:05.02.2021

# SEMESTER PLAN

Department: Statistics

Semester Plan: III semester

Semester Period: July - November

Name of the paper: Statistical Decision Theory and Bayesian Analysis

Name of the Teacher: Anil Kumar

Totals no. of Hours prescribed as per syllabus: 90

No. of Modules: 4

## Module 1

**Objectives:-** To give a clear idea about statistical decision problem.

### .Pre requisites

Students must know the basic ideas of decision making.

### Remedial measures if pre requisites are not satisfied

Seminar

Viva

### Evaluation methods

Class Test

Assignment

Group discussion

Viva

### Outcomes Expected

Students should be able to understand the decision rule and loss-randomized decision rule, utility and loss-loss functions.

### Number of Hours: 20

Enter the time period required to finish the module: 09/07/21-10/08/21

Teaching methods

Lecture methods: 75%

Group discussion/Problem solving: 15%

Power point Presentation: 10%

## Module 2

**Objectives:** To make them learn about prior information-subjective determination of prior density.

**Pre requisites:** students must thorough with first module.

**Remedial measures if pre requisites are not satisfied**

Assignment

Class test

Viva

**Evaluation methods**

Class Test

Assignment

Group discussion

Viva

**Expected Outcomes**

Students are now confident about prior information-subjective determination of prior density-Non-informative priors-maximum entropy priors.

**Number of Hours:** 22

Enter the time period required to finish the module: 03/08/21-09/09/21

Teaching methods

Lecture methods: 75%

Group discussion/Problem solving: 15%

Power point Presentation: 10%

**Module 3**

**Objectives**

To make them know about Bayesian decision theory.

**Pre- requisites:** students must be confident in first two modules.

**Remedial measures if pre requisites are not satisfied**

Assignment

Seminar

**Evaluation methods**

Class Test

Assignment

Group discussion

Viva

**Expected Outcomes:** Students are able to understand the posterior distribution-Bayesian inference-Bayesian decision theory.

**Number of Hours:** 25

Enter the time period required to finish the module: 15/09/21-20/10/21

#### **Module 4**

#### **Objectives**

To give a great knowledge about game theory.

**Pre- requisites:** students must be confident in first three modules.

#### **Remedial measures if pre requisites are not satisfied**

Assignment

Seminar

#### **Evaluation methods**

Class Test

Assignment

Group discussion

**Expected Outcomes:** Students are able to understand basic concepts of game theory and general techniques for solving games.

**Number of Hours:** 23

Enter the time period required to finish the module: 20/10/21-21/11/21

#### **Teaching methods**

Lecture methods: 75%

Power point Presentation: 10%

Group discussion/Problem solving: 15%

#### **Evaluation: Unit Tests**

Test 1: 23/08/21

Test 2: 16/09/21

Test 3: 24/09/21

#### **Assignments**

Assignment 1: 10.08.2021

Assignment 2:22. 09.2021

# SEMESTER PLAN

Department: Statistics  
Semester Plan: II semester  
Semester Period: January - June  
Name of the paper: Estimation theory  
Name of the Teacher: Dr.Mini TC  
Totals no. of Hours prescribed as per syllabus: 90  
No. of Modules: 4

## Module 1

**Objectives:-** To give an idea about Estimation and estimating the parameters.

### .Pre requisites

Students must know the concept of estimators ,properties of estimators.

### Remedial measures if pre requisites are not satisfied

Seminar

Viva

### Evaluation methods

Class Test

Assignment

Group discussion

Viva

### Outcomes Expected

Students should be able to understand properties of estimators: unbiasedness and consistency, exponential family and pitman family of distribution with illustration. And they are able o find the minimum variance unbiased estimators.

### Number of Hours: 25

Enter the time period required to finish the module: 05/01/21-01/03/21

Teaching methods

Lecture methods: 75%

Group discussion/Problem solving: 15%

Power point Presentation: 10%

## **Module 2**

**Objectives:** To give an idea about consistent estimators, CAN estimators and method of moments.

**Pre requisites:** students must be thorough with previous chapters.

### **Remedial measures if pre requisites are not satisfied**

Assignment

Class test

Viva

### **Evaluation methods**

Class Test

Assignment

Group discussion

Viva

### **Expected Outcomes**

Students should be able to understand to finding the sufficient statistic ,consistent estimators and consistent and asymptotically normal estimators.

**Number of Hours:** 20

Enter the time period required to finish the module: 02/03/21-11/04/21

Teaching methods

Lecture methods: 75%

Group discussion/Problem solving: 15%

Power point Presentation: 10%

## **Module 3**

**Objectives:** To give an idea about methods of estimation ,Cramer family and loss functions.

**Pre- requisites:** students must be confident in first two modules and methods of estimation.

### **Remedial measures if pre requisites are not satisfied**

Assignment

Seminar

Viva

### **Evaluation methods**

Class Test  
Assignment  
Group discussion  
Viva

**Expected Outcomes:** Students should be able to understand estimators using method of moments ,method of percentiles ,maximum likelihood method and Bayesian method

**Number of Hours:** 25

Enter the time period required to finish the module: 12/04/21-20/05/21

### **Teaching methods**

Lecture methods: 75%  
Power point Presentation: 10%  
Group discussion/Problem solving: 15%

### **Module 4**

**Objectives:** To give an idea about interval estimation.

**Pre- requisites:** students must be confident in first three modules.

### **Remedial measures if pre requisites are not satisfied**

Assignment  
Seminar  
Viva

### **Evaluation methods**

Class Test  
Assignment  
Group discussion  
Viva

**Expected Outcomes:** Students should be able to understand the concept of interval estimation-SELCI ,Bayesian and fiducial intervals.

**Number of Hours:** 20

Enter the time period required to finish the module: 21/05/21-25/06/21

**Teaching methods**

Lecture methods: 75%

Power point Presentation: 10%

Group discussion/Problem solving: 15%

**Evaluation****Unit Tests**

Test 1: 13/04/21

Test 2: 17/05/21

Test 3: 16/06/21

**Assignments**

Assignment 1: 14.04.2021

Assignment 2: 09. 06.2021



# Teaching Learning Performa(2020-21)

Department: Mathematics

Semester Plan: IV Semester BSc Mathematics

Semester Period: 1-1-2021 to 31-5-2021

Name of the paper: Linear Algebra

Name of the Teacher: Dr. Viji Paul and Santhoshkumar C G

Totals no. of Hours prescribed as per syllabus: 72

No. of Modules: 4

Platforms for teaching and evaluation: Google classroom, Google meet, YouTube, WhatsApp, Telegram

## Module 1&2

### Objectives

- Get idea of linear systems of equations, vector spaces, and linear transformations.
- Understand various methods for solving a system of linear equations
- Establish the connection between Matrices and linear transformations

### Prerequisites

Students must know the basic concepts of matrices, linear equations, and algebraic properties of numbers

Remedial measures if prerequisites are not satisfied: A class on fundamentals will be held

Number of Hours:40

Time required to finish the module:1-01-2021 28-2-2021

### Teaching methods

Lecture methods: 30%

Group discussion/Problem solving: 30%

Presentations by students: 20%

Using online platforms:20%

## Modules 3& 4

### Objectives

- Learn a few fundamental results involving diagonalization and eigenvalues which enable them to check whether diagonalization is possible

- Study spectral decomposition of a symmetric matrices
- Understand Gram-Schmidt process

#### Prerequisites

Students must know about vector spaces, bases, and linear transformations

Number of Hours: 32

The time required to finish the module: From 1-3-2021 to 15-5-2021

#### Teaching methods

Lecture methods: 40%

Group discussion/Problem solving: 20%

Presentation by students – 20%

Using online platforms- 20%

#### Unit Tests

Test 1: 31-01-2021

Test 2: 28-2-2021

Test 3: 15-3-2021

Test 4: 31-5-2021

#### Quizzes through Google form

#### Evaluation methods

Class Tests, Open book tests

Assignments with problems of various levels through Google classroom

Group discussion and problem-solving sessions

Viva- voce

#### Assignments

One assignment each on 4 modules

Viva Voce: May 2021

#### Expected Outcomes

Students learn the fundamentals of linear algebra by capturing the ideas geometrically, by justifying them algebraically and by preparing them to apply it in several different fields such as data communication, computer graphics, modelling etc. Students will understand the modern view of a matrix as a linear transformation.

## SEMESTER PLAN

DEPARTMENT : ECONOMICS

Semester : 6th

Semester period :1/12/2020 to 31/03/2021

Name of paper : mathematical economics

Name of teacher : jithya k

Total number of hours: 90

No. of modules : 5

### Module 1

Objectives : introduction to mathematical economics

Method of teaching :70 % lecture method and 30% discussion method

Evaluation method : examination and assignment

Outcomes expected : basic knowledge about mathematical economics

Hours taken : 10

### Module 2

Objective : marginal concept

Method of teaching :80% lecture method and20% discussion method

Evaluation method : examination

Outcomes expected : clear understanding of marginal concept and elasticity

Hours taken :20

### Module 3

Objective : optimisation

Method of teaching :90% lecture method and 10% discussion

Evaluation method : examination

Outcomes expected : understanding functions maximisation and and lagranje multiplier

Hours taken :20

### Module 4

Objective : production function linear programming and input output analysis

Method of teaching : 80% lecture method and 20% discussion method

Evaluation method : assignment and examinations

Outcomes expected : knowledge about production function and linear programming

Hours taken : 20

#### Module 5

Objective : market equilibrium

Method of teaching : 80% lecture method and 20% discussion method

Evaluation method : examination

Outcomes expected : understanding of equilibrium of three market conditions

Hours taken : 20

# Teaching Learning Proforma

Department: Mathematics

Semester Plan: Second Semester MSc

Semester Period: 1.4.2021-31.7.2021

Name of the Paper: Topology

Name of the Teacher: Mini C

Total no. of hours prescribed as per syllabus: 90

Number of modules: 3

## **Module 1**

### **Objectives**

- To get a basic idea in Topology.

### **Pre requisites**

- Knowledge in sets and functions.

### **Remedial measures if pre requisites are not satisfied**

- Assignment
- Discussions

### **Evaluation methods**

- Class test
- Assignment
- Viva

### **Expected Outcome**

- Students must have a clear idea about topology.

### **No. of hours: 30**

- Time period required to finish the module:

### **Teaching methods**

- Lecture methods: 60%
- Group Discussion/Problem solving: 30%

- Power point Presentation: 10%

## **Module 2**

### **Objectives**

- Introduce basic concepts of topological spaces.

### **Pre requisites**

- Basic knowledge in topology .

### **Remedial measures if pre requisites are not satisfied**

- Assignment
- Discussions

### **Evaluation methods**

- Class test
- Assignment

### **Expected Outcome**

- Students must have basic concepts of topological spaces

### **No. of hours: 30**

- Time period required to finish the module:

### **Teaching methods**

- Lecture methods: 75%
- Group Discussion/Problem solving: 25%

## **Module 3**

### **Objectives**

- Introduce Separation axioms.

### **Pre requisites**

- They must have clear idea about Topology.

### **Remedial measures if pre requisites are not satisfied**

- Assignment

- Viva

**Evaluation methods**

- Class test
- Assignment
- Group Discussion

**Expected Outcome**

- Students must have a clear idea about separation axioms and related concepts.

**No. of hours: 30**

- Time period required to finish the module:

**Teaching methods**

- Lecture methods: 70%
- Group Discussion/Problem solving: 20%
- Power point Presentation: 10%

# SEMESTER PLAN

Department: Statistics  
Semester Plan: I semester  
Semester Period: August-December  
Name of the paper: Probability theory  
Name of the Teacher: Dr.Raju N  
Totals no. of Hours prescribed as per syllabus: 90  
No. of Modules: 4

## Module 1

**Objectives:-**To make students more confident in basics Probability theory.

### .Pre requisites

Students must know the basic ideas like sets and classes of events.

### Remedial measures if pre requisites are not satisfied

Webinar

Viva

### Evaluation methods

Online Test

Assignment

Viva

### Outcomes Expected

Students should be able to apply the use of algebra of sets in statistics and basic concepts of random variable from measure point of view .

### Number of Hours: 20

Enter the time period required to finish the module: 05/08/20-10/09/20

### Teaching methods:

Google meet,google classroom, techmint: 80%

Power point Presentation: 10%

Youtube link: 10%



## **Module 2**

**Objectives:** To make them learn about distribution functions of random variables.

**Pre requisites:** students must know the concept of distribution functions.

### **Remedial measures if pre requisites are not satisfied**

Assignment

Online test

Viva

### **Evaluation methods**

Online Test

Assignment

Viva

### **Expected Outcomes**

Students should be able to know the concept of distribution function, characteristic function and their relationships and importance.

**Number of Hours:** 25

Enter the time period required to finish the module: 11/09/20-20/10/20

### **Teaching methods:**

Google meet,google classroom, techmint: 80%

Power point Presentation: 10%

Youtube link: 10%

## **Module 3**

### **Objectives**

To make them know about convergence-convergence in probability, convergence in distribution, convergence almost surely, convergence in  $r^{\text{th}}$  mean.

**Pre- requisites:** students must be confident in first two modules.

### **Remedial measures if pre requisites are not satisfied**

Assignment

Webinar

Viva

### **Evaluation methods**

Online Test

Assignment

Viva

**Expected Outcomes:** A good knowledge about different types of convergence.

**Number of Hours:** 20

Enter the time period required to finish the module: 20/10/20-13/11/20

**Teaching methods:**

Google meet,google classroom, techmint: 80%

Power point Presentation: 10%

Youtube link: 10%

**Module 4**

**Objectives**

To make them learn about the law of large numbers.

**Pre- requisites:** students must have a good knowledge about the normal distribution.

**Remedial measures if pre requisites are not satisfied**

Assignment

Webinar

Viva

**Evaluation methods**

Online Test

Assignment

Viva

**Expected Outcomes:** Students are able to understand the knowledge in some of the very important theorems like WLLN, CLT and their applications.

**Number of Hours:** 25

Enter the time period required to finish the module: 13/11/20-03/12/20

**Teaching methods:**

Google meet,google classroom, techmint: 80%

Power point Presentation: 10%

Youtube link: 10%

## **Evaluation**

### **Unit Tests**

Test 1: 10/09/20

Test 2: 22/10/20

Test 3: 20/11/20

### **Assignments**

Assignment 1: 25.11.2020

Assignment 2: 23. 10.2020

## Teaching Learning Performa

Department

Mathematics

Semester --

III Semester

Semester Period:

15-7-2020 to 31 -12-2020

Name of the Paper

Calculus of one variable -2

Name of the Teacher

Dr Viji Paul and Santhoshkumar

Total no of Hours prescribed as per syllabus

72

Number of modules

4

Platforms : Google classroom, Google meet, You tube, Telegram, WhatsApp

Modules 1 & 2

**1. Objectives:** Understands Exponential and Logarithmic functions and its applications, Learn improper integrals their convergence and evaluation, Understand convergence of a series and become able to apply various tests to check the convergence. **2. Pre-requisites :** Analytical, physical and geometrical meaning of derivatives and standard differentiation formulae, **3. Remedial measures if prerequisites are not satisfied:** A class on fundamentals will be held. Extra problems will be given to recollect and familiarise with the fundamentals of differentiation. One or two practice tests will be conducted. **4. Evaluation methods :** Internal tests, Assignments, seminars, viva-voce **5. Expected Outcome :** Proper understanding of the topics with ability to solve problems of higher level. Ability to solve optimization problems of interest in real life.

Number of Hours:

40

Time period required to finish the module:

15-7-2020 to 15-10- 2020

Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods -

60

Lab demonstration / shared videos :

5

Group discussion/ Problem solving: -

15

Through Powerpoint presentations -

5

Using smart Board/ online platforms

15

**Module 2 & 3**

1. Enter No:of Hours required  space curves and applies vectors in dealing with the problems involving geometry of lines, curves, planes and surfaces in space and acquire the ability to sketch curves in plane and space given in vector form  
2. **Pre-requisites** : Fundamental knowledge of co-ordinate system and graphing of curves, 3. **Remedial measures if prerequisites are not satisfied**: Sessions on basic ideas will be held for needy students. Extra problems will be given to recollect and familiarise with the fundamentals of co-ordinate geometry. Two practice tests will be conducted. 4. **Evaluation methods** : Internal tests, Assignments, seminars, viva-voce 5. **Expected Outcome** : Proper understanding of the topics with ability to solve problems of application level. Identify vector analysis as a powerful tool in solving problems in physics, chemistry, biology, engineering, economics, and other fields.

Number of Hours:

**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods -   
Lab demonstartion :   
Group discussion/ Problem solving: -   
Through Powerpoint presentations -   
Using smart Board / online platforms:

Time period required to finish the module:

**EVALUATION**

Unit Tests

Assignments:

Viva Voce / Seminar if Any :

After completion of each module Viva and seminars will be conducted for some of the students evaluating their performance and interests.

Mathematical problems contests, Meetings of the Mathematical Circle and related activities. Exploratory talks by post graduate students for graduate students.

Other activities :

**FEED BACK OF STUDENTS:**

Feedback will be collected from students by department and IQAC at the end of the semester.

## Teaching Learning Performa

Department

MASS  
COMMUNICATION

Semester Plan--

Fourth Semester

Semester Period

: 15-11-2020 to 15-04-2021

Name of the Paper

: DESIGN AND PAGINATION

Name of the Teacher

: GREESHMA JOHN M J

Total no of Hours prescribed as per syllabus:

CONTACT HOURS: 6

Number of modules

: 4

Module 1:

### OBJECTIVES

- To help students to understand the pagination techniques that are applied for different pages .
- To make students understand the aesthetic and functional principles of page making.

### TEACHING AND EVALUATION METHODS

1. Online live classes
2. Internal examinations
3. Assignment/seminar
4. Open book examination
5. Interaction with students through Google meet and Google classroom

### EXPECTED OUTCOME

1. Prepare students to be the editors having pagination skills
2. Provide students with practical experience in pagination
3. better subject knowledge

Number of Hours:

12

Enter the time period required to finish the module: 1 month

15/11/2020— 15/12/2020

Module 2:

### **Objectives**

- To introduce the Principles of page make up
- To understand dummy preparation – positioning – vertical and horizontal make ups – Flexibility –
- To gain knowledge on Dos and don'ts of a good lay out –
- To attain an idea on Various types of make ups Modular make up

### **TEACHING AND EVALUATION METHODS**

- online live classes
- interactive session on google classroom and google meet
- assignments/seminars
- Open book examination
- Buddy system to encourage the slow learners

### **EXPECTED OUTCOME**

- Student will be able to understand the the Principles of page make up
- Students will understand Dos and don'ts of a good lay out –
- Better subject knowledge
- Students will know understand dummy preparation – positioning – vertical and horizontal make ups – Flexibility –

Number of Hours:

4 hrs

Enter the time period required to finish the module:

15/01/2021– to 15/02/2021



**Module 3:**

**Objectives**

- To understand the Traditional and contemporary make up concepts
- to able to know the Revolution brought about by computer – Potentials of D T P and computerized pagination –Speed and flexibility –
- To provide basic idea on the possibilities of computer graphics-
- To get clear idea on the Pagination software's – Page maker, Quark Xpress, Illustrator, In design – Photoshop

**TEACHING AND EVALUATION METHODS**

- Online live class
- Assignments/seminars
- Open book examinations
- Internal test paers
- Interactive sessions on different digital platforms

**EXPECTED OUTCOME**

- To make aware of Traditional and contemporary make up concepts
- Students will understand basic idea on the possibilities of computer graphics-
- To get clear idea on the Pagination software's – Page maker, Quark Xpress, Illustrator, In design – Photoshop

Number of Hours:

12 hrs

Enter the time period required to finish the module:

15/02/2021–to 15/03/2021

Modu

### **Objectives**

To understand Designing of different pages: front page, inside news pages, sports page, edit page

To provide an learning environment on Concept of news package - Life style pages – Feature pages – Sunday pages – Supplement pages

To learn the basics of Designing magazines – Cover designs

### **TEAHING AND EVALUATION METHODS**

- Online live class
- Assignments/seminars
- Open book examinations
- Internal test paers
- Interactive sessions on different digital platforms

### **EXPECTED OUTCOME**

Better subject knowledge and practical knowledge

Students will understand the Concept of news package - Life style pages – Feature pages – Sunday pages – Supplement pages

Students will understand the basics of Designing magazines – Cover designs

Number of Hours:

14

Enter the time period required to finish the module: 1 module

15/03/2021 to 15/04/2021

Module5:

8

Number of Hours:

Enter the time period required to finish the module: 1 month

:

**EVALUATION**

Unit Tests

Assignments:   
Viva Voce / Seminar if Any :

**FEED BACK OF STUDENTS BASED ON**

- 1. Communication skills
- 2. Mastery over subject
- 3. Practical skills



## Teaching Learning Performa

Department

MASS  
COMMUNICATION

Semester Plan--

II Semester

Semester Period : 15-03-2021 to 30-05-2021

Name of the Paper :

COURSE OF JOURNALISM

Name of the Teacher :

ANU ANN VARGHESE

Total no of Hours prescribed as per syllabus: 36

Number of modules :

2

### Add/ Remove Modules

Module 1 :

#### Objectives

- 1.A detailed study on the evolution of Indian press
- 2.Gandhiji as a journalist

#### TEACHING METHODS

- 1.Online platforms like google meet,google class room ,whatsapp etc are used
- 2.An interactive session of 5 min with students in the beginning of every class

#### EVALUATION METHODS

- 1.Class tests
- 2.question and answer sessions

#### EXPECTED OUTCOME

- 1.Better knowledge on the evolution of Indian press
2. Better knowledge on Gandhiji as a journalist

Number of Hours:

18

Enter the time period required to finish the module: 1 month

15/03/2021– 27/04/2021

Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods : 35 %

ICT: 55%

Group discussion : 10%

Module 2:

### Objectives

- 1.To explore the history of Malayalam press
- 2.The students are made familiar with the newspapers
- 3.Study in detail about the Malayalam press during freedom struggle

### TEACHING METHODS

- 1.Online platforms like google meet,google class room ,whatsapp etc are used
- 2.An interactive session of 5 min with students in the beginning of every

### EVALUATION METHODS

- 1.Class tests
- 2.question and answer sessions

### EXPECTED OUTCOME

- 1.Better knowledge on the history of Malayalam press
- 2.Improve familiarity with the newspapers

Number of Hours:

18hrs

Enter the time period required to finish the module:

28/04/2021–05/05/2021

Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods

: 35%

ICT :

—

Group discussion

: 35%

## EVALUATION

Unit Tests

Class test at the end of every module(30/04/2021.07/05/2021)

Assignments:

Assignment 1: Gandhiji as a journalist 10/03/2021

Assignment 2:Gopala Krishna gokhale 28/04/2021

Assignment 3:Bal gangadhar thilak 04/05/2021

Seminars:

Seminar on the history of news papers in Malayalam was conducted at the end of the sem .Students actively participated in the seminar.

Revision:

A revision session was conducted online through whatsapp and google class room with the objective of preparing the students for university exams.

## FEED BACK OF STUDENTS BASED ON

- 1.Communication skills
- 2.Mastery over subject
- 3.Practical skills





## Teaching Learning Performa

Department

MASS COMMUNICATION

Semester Plan--

IV Semester

Semester Period

: 01-12-2020 to 31-03-2021

Name of the Paper

: INTRODUCTION TO TV & CINEMA

Name of the Teacher

: ASWIN P

Total no of Hours prescribed as per syllabus:

60

Number of modules

: 6

### **Add/ Remove Modules**

Module 1 :

#### **Objectives**

1. Exposes the students to the birth of Television culture
2. History of TV and Characteristics

#### **EVALUATION METHODS**

1. Class tests
2. TV Documentary screening
3. Discussion on TV program

#### **EXPECTED OUTCOME**

1. Better subject knowledge
2. Improve visual knowledge

Number of Hours:

10hrs

Enter the time period required to finish the module: 1 month

01/12/2020– 15/12/2020

**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods : 55 %

Constructivist approach : 45%

**Module 2:**

**Objectives**

1. Understanding the types of TV news
2. Exploring the major TV programmes
3. Giving and overview for TV anchoring and PCR

**EVALUATION METHODS**

1. Class tests
2. question and answer sessions
3. Discussions

**EXPECTED OUTCOME**

1. Better subject knowledge
2. Improve the knowledge in World history

Number of Hours:

15hrs

Enter the time period required to finish the module:

17/12/2020–31/12/2020

**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods :

55%

Constructivist approach :

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**Module 3 :**

<p><b>Objectives</b></p> <ol style="list-style-type: none"><li>1. Familiarising the Cinema and introduction</li><li>2. Major international films and early experiments</li><li>3. Major Film Movements and Film personals</li></ol> <p><b>EVALUATION METHODS</b></p> <ol style="list-style-type: none"><li>1. Class tests</li><li>2. Film Screening on different genre</li><li>3. Group interactions</li></ol> <p><b>EXPECTED OUTCOME</b></p> <ol style="list-style-type: none"><li>1. Better subject knowledge</li><li>2. Better knowledge in Regional cinema culture</li></ol>
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Number of Hours:

Enter the time period required to finish the module:

**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods:

Group discussion:

**Module 4 :**

<p><b>Objectives</b></p> <ol style="list-style-type: none"><li>1. Studying the history of Indian Cinema and film Personalas</li><li>2. Understanding the Studios in Indian film Industry</li><li>3. Familiarising FTII and other film institute</li></ol> <p><b>EVALUATION METHODS</b></p> <ol style="list-style-type: none"><li>1.Class tests</li><li>2.Screening of major Indian Regional Cinemas</li><li>3.Film reviews</li></ol> <p><b>EXPECTED OUTCOME</b></p> <ol style="list-style-type: none"><li>1.Better subject knowledge</li><li>2.Improve communication skills</li></ol>
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Number of Hours:

15hrs
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Enter the time period required to finish the module: 1 month

18/01/2021—29/01/2021
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**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods : 

55 %
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Constructivist approach : 

45%
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**Module5:**

<p><b>Objectives</b></p> <ol style="list-style-type: none"><li>1. Concept of Malayalam Cinema</li><li>2. Studying about Major film directors from Malayalam</li><li>3.Films in YouTube and OTT platforms (Out of Syllabus)</li></ol> <p><b>EVALUATION METHODS</b></p> <ol style="list-style-type: none"><li>1.Class tests</li><li>2.question and answer sessions</li><li>3. Film Screening (Animated)</li></ol> <p><b>EXPECTED OUTCOME</b></p> <ol style="list-style-type: none"><li>1.Better subject knowledge</li><li>2.Improve communication skills</li></ol>
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Number of Hours:

Enter the time period required to finish the module: 1 month

**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods :

Constructivist approach :

**Module6:**

**Objectives**

1. Ethics in Film making
2. Film making (Basic Practicals)
3. To have an idea about Script writing and different kinds of editing

**EVALUATION METHODS**

1. Class tests
2. question and answer sessions
3. Video Production (Practical)

**EXPECTED OUTCOME**

1. Better subject knowledge
2. Improve Technical Skills

Number of Hours:

Enter the time period required to finish the module: 1 month

**Teaching methods ( Enter What fraction of the different methods are used/ Planning to use) :**

Lecture methods :

Constructivist approach :

## EVALUATION

Unit Tests

Class test at the end of every month

Revision sessions

Revision at the end of every module

Assignments:

Assignment 1: Film Review (2)

Assignment 2: Film directors in India and their notable works

Viva Voce / Seminar if Any :

Group discussion

## FEED BACK OF STUDENTS BASED ON

1.Communication skills

2.Mastery over subject