

W M O Arts and Science College, Muttil Wayanad, Kerala

Email: wmocollege@gmail.com , Web site: https://wmocollege.ac.in



Report on Bridge Courses (Samples) 2017-2022



DEPARTMENT OF ARABIC W.M.O ARTS & SCIENCE COLLEGE

(Affiliated to University of Calicut)

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- www.wmocollege.ac.in
- P.o. Muttil, Wayanad, Kerala India, 673 122

Dr. Najmuddeen P., M.Phil, Ph.D. Assistant Professor & Head, Research Guide,R.U.A College, Farook, University of Calicut 9947786664, najmuwmo@gmail.com Shaila K.H. M.A., B.Ed. Assistant Professor 9947 176764 saailakh@gmail.com **Dr. Yoosuf Nadwi**, M.A., Ph.D Assistant Professor & Research Guide,R.U.A College, Farook, University of Calicut 9387806050 dr.ymnadwi@gmail.com Dr. Muhammed Sayeed M.K. M.A., Ph.D Assistant Professor 8281846575 msayeedmk@gmail.com

W M O Arts and Science College, Muttil Department of Arabic Report on Bridge courses and induction programs

"Education and some more"

About the Course:

Bridge courses can be considered as **supplementary knowledge** that can be provided to students to **impart basic knowledge** about the subjects. It is also can be considered as valuable information and a preparatory course that can be given to students to confer fundamental information about the subjects that will be educated. The main objective of the course is to bridge the gap between the students and subjects they joined. A bridge course may lead a person to ensure that he has a basic knowledge of the course that will guide him.

The designed syllabus will definitely useful to students to overcome the barriers for their scholastic career. This course serves our students as a cradle for the new path. Before beginning the main course, it will equip students with beneficial information in their further learning.

Aim and Objectives

- To bridge the gap between the students and subject
- Give students the confidence to pursue with the course
- Providing the students with the necessary skills and knowledge about the topics that will be covered in their new courses.
- Establishing a stronger foundation in fundamentals of the topic
- This course gives more progress to students before the beginning of official classes.
- To overcome any barrier between subjects learned at the pre-college level and subjects they would concentrate on BA level.
- This Bridge course goes about as a cradle for the new passage
- This Bridge courses provide an adequate foundation in the course. Hence students do not face any difficulties when college programs begin. This course offers a superior growth stage for students to get themselves up before starting the first semester.



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Dr. Muhammed Sayeed M.K. M.A., Ph.D Assistant Professor 8281846575 msayeedmk@gmail.com

2021-22

Module-I: Basic Awareness on Arabic Language

- An over view on Arabic Language
- Familiarizing Arabic Alphabets
- Enhancement of reading ability
- Basic Writing methods
 - o No. of students attended: 40
 - o Course Co-ordinator: Muhammad Sayeed MK
 - o Duration: 19-10-2021 to 31-10-2021
 - o Beneficiaries: First semester BA Arabic Students

Module-II: Salient Features of Arabic Language

- Arabic Language in Various Period
- Arabic Studies in Kerala
- Eminent Arabic Writers in Kerala
- Arabic Study centre's in Kerala
 - No. of students attended: 40
 - o Course Co-ordinator: Asil K
 - o Duration: 19-10-2021 to 31-10-2021
 - o Beneficiaries: First semester BA Arabic Students

Module-III: Basic Arabic Grammar

- Fundamentals of Verbs
- Methods of Sentence Making
- Tens and it's Forms
- Vocabulary Building
 - o No. of students attended: 40
 - Course Co-ordinator: Abbas K A
 - Duration: -10-2021 to 31-10-2021
 - o Beneficiaries: First semester BA Arabic Students

Induction Program for PG students

- Arabic Language and Importance
- NET Orientation
- Syllabus Discussion
- Methods of study
 - No. of students attended: 10
 - Course Co-ordinator: Shaila K H
 - o Duration: 02-11-2021 to 10-11-2021
 - Beneficiaries: First semester MA Arabic Students



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2020-21

Module-I: Basic Awareness on Arabic Language

- An over view on Arabic Language
- Familiarizing Arabic Alphabets
- Enhancement of reading ability
- Basic Writing methods
 - No. of students attended: 35
 - o Course Co-ordinator: Shakker Nellikkunnummal
 - o Duration: 02-11-2020 to 10-11-2020
 - o Beneficiaries: First semester BA Arabic Students

Module-II: Salient Features of Arabic Language

- Arabic Language in Various Period
- Arabic Studies in Kerala
- Eminent Arabic Writers in Kerala
- Arabic Study centre's in Kerala
 - No. of students attended: 35
 - Course Co-ordinator: Yoosuf VK
 - o Duration: 02-11-2020 to 10-11-2020
 - o Beneficiaries: First semester BA Arabic Students

Module-III: Basic Arabic Grammar

- Fundamentals of Verbs
- Methods of Sentence Making
- Tens and it's Forms
- Vocabulary Building
 - o No. of students attended: 35
 - o Course Co-ordinator: Najmuddeen P
 - o Duration: 02-11-2020 to 10-11-2020
 - o Beneficiaries: First semester BA Arabic Students

Induction Program for PG students

- Arabic Language and Importance
- NET Orientation
- Syllabus Discussion
- Methods of study
 - \circ No. of students attended: 08
 - Course Co-ordinator: Asil K
 - o Duration: 08-12-2020 to 16-12-2020
 - Beneficiaries: First semester MA Arabic Students



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2019-20

Module-I: Basic Awareness on Arabic Language

- An over view on Arabic Language
- Familiarizing Arabic Alphabets
- Enhancement of reading ability
- Basic Writing methods
 - \circ No. of students attended: 42
 - o Course Co-ordinator: Shakkeer Nellikkunnummal
 - o Duration: 16-08-2019 to 24-08-2019
 - o Beneficiaries: First semester BA Arabic Students

Module-II: Salient Features of Arabic Language

- Arabic Language in Various Period
- Arabic Studies in Kerala
- Eminent Arabic Writers in Kerala
- Arabic Study centre's in Kerala
 - No. of students attended: 42
 - o Course Co-ordinator: Muhammad Sayeed MK
 - o Duration: 16-08-2019 to 24-08-2019
 - Beneficiaries: First semester BA Arabic Students

Module-III: Basic Arabic Grammar

- Fundamentals of Verbs
- Methods of Sentence Making
- Tens and it's Forms
- Vocabulary Building
 - o No. of students attended: 42
 - o Course Co-ordinator: Abbas K A
 - o Duration: 16-08-2019 to 24-08-2019
 - o Beneficiaries: First semester BA Arabic Students

Induction Program for PG students

- Arabic Language and Importance
- NET Orientation
- Syllabus Discussion
- Methods of study
 - \circ $\,$ No. of students attended: 06 $\,$
 - o Course Co-ordinator: Dr. Najmuddeen P
 - o Duration : 20-08-2019 to 24-08-2019
 - Beneficiaries: First semester MA Arabic Students



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2018-19

Module-I: Basic Awareness on Arabic Language

- An over view on Arabic Language
- Familiarizing Arabic Alphabets
- Enhancement of reading ability
- Basic Writing methods
 - No. of students attended: 30
 - o Course Co-ordinator: Asil K
 - o Duration: 01-08-2018 to 08-08-2018
 - o Beneficiaries: First semester BA Arabic Students

Module-II: Salient Features of Arabic Language

- Arabic Language in Various Period
- Arabic Studies in Kerala
- Eminent Arabic Writers in Kerala
- Arabic Study centre's in Kerala
 - No. of students attended: 30
 - o Course Co-ordinator: Dr. Yoosuf V K
 - o Duration: 01-08-2018 to 08-08-2018
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Module-III: Basic Arabic Grammar

- Fundamentals of Verbs
- Methods of Sentence Making
- Tens and it's Forms
- Vocabulary Building
 - No. of students attended: 30
 - o Course Co-ordinator: Abbas K A
 - o Duration: 01-08-2018 to 08-08-2018
 - o Beneficiaries: First semester BA Arabic Students

Induction Program for PG students

- Arabic Language and Importance
- NET Orientation
- Syllabus Discussion
- Methods of study
 - \circ No. of students attended: 08
 - Course Co-ordinator: Shaila K H
 - o Duration: 04-09-2018 to 11-09-2018
 - Beneficiaries: First semester MA Arabic Students



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Supporting file UG

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DEPARTMENT OF ARABIC W.M.O ARTS & SCIENCE COLLEGE

(Affiliated to University of Calicut)

😊 deptofarabicwmoc@gmail.com

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- 🧿 P.o. Muttil, Wayanad, Kerala India, 673 122

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"Education and some more"

Dr. Muhammed Sayeed M.K. M.A., Ph.D Assistant Professor 8281846575 msayeedmk@gmail.com

2017-18

Module-I: Basic Awareness on Arabic Language

- An over view on Arabic Language
- Familiarizing Arabic Alphabets
- Enhancement of reading ability
- Basic Writing methods
 - No. of students attended: 30
 - Course Co-ordinator: Asil K
 - o Duration: 24-07-2017 to 31-07-2017
 - Beneficiaries: First semester BA Arabic Students

Module-II: Salient Features of Arabic Language

- Arabic Language in Various Period
- Arabic Studies in Kerala
- Eminent Arabic Writers in Kerala
- Arabic Study centre's in Kerala
 - No. of students attended: 30
 - o Course Co-ordinator: Dr. Yoosuf V K
 - o Duration: 24-07-2017 to 31-07-2017
 - o Beneficiaries: First semester BA Arabic Students

Module-III: Basic Arabic Grammar

- Fundamentals of Verbs
- Methods of Sentence Making
- Tens and it's Forms
- Vocabulary Building
 - o No. of students attended: 30
 - Course Co-ordinator: Abbas K A
 - o Duration : 24-07-2017 to 31-07-2017
 - o Beneficiaries: First semester BA Arabic Students

Induction Program for PG students

- Arabic Language and Importance
- NET Orientation
- Syllabus Discussion
- Methods of study
 - \circ No. of students attended: 05
 - Course Co-ordinator: Shaila K H
 - o Duration: 11-09-2017 to 16-09-2017
 - Beneficiaries: First semester MA Arabic Students



DEPARTMENT OF ARABIC W.M.O ARTS & SCIENCE COLLEGE

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Supporting file UG

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REPORT OF THE BRIDGE COURSE CONDUCTED FOR FIRST YEAR STUDENTS IN THE ACADEMIC YEAR **2021-22** BY DEPARTMENT OF COMPUTER SCIENCE.

Course Description

Department of Computer Science conducting a bridge course for first year students to identify the advanced and slow learners in an academic year. Course begins with a departmental exam called "Disha departmental test" for finding advanced and slow learners. Then, a detailed syllabus is provided for both batches of students to keep equilibrium in their academics. We found it as an efficient method and a good practice for entire students. After bridge course we found an academic improvement in slow learners as well as the syllabus for advanced learners help them to get a support in under graduate syllabus of Calicut university, especially in their complementary courses.

WMO ARTS AND SCIENCE COLLEGE, MUTTIL

DEPARTMENT OF COMPUTER SCIENCE

DHISHA DEPARTMENTAL EXAM

1 HOUR

30 MARKS

Answer all questions(1*6=6)

- 1. Product of first n natural numbers is?
- 2. The father of my father is my...
- 3. Who is known as the father of modern computer science?
- 4. Digital logic only consists of and
- 5. What is HTML?
- 6. What is an OS?

Answer all questions(4*6=24)

- 7. Find mean, median and mode of below data 25,14,13,8,25,7,8,16,12
- 8. Explain input/output devices in a computer.
- 9. Write a short essay on 'My Campus-Activities and Facilities".
- 10. Solve below problem

DALAL K	TYPES OF BATTERIES											
Year	4AH	7AH	32AH	35AH	55AH	Total						
1992	75	144	114	102	108	543						
1993	90	126	102	84	126	528						
1994	96	114	75	105	135	525						
1995	105	90	150	90	75	510						
1996	90	75	135	75	90	465						
1007	105	60	165	45	120	495						
1008	115	85	160	100	145	605						

a) The total sales of all the seven years are the maximum for which battery?

b) What is the difference in the number of 35AH batteries sold in 1993 and 1997?

c) What was the approximate percentage increase in the sales of 55AH batteries in 1998 compared to that in 1992 ?

SCORE DETAILS OF EXAM CONDUCTED ON 14/09/2021(2021-2024)online

No	Name	Mark(30)	Remarks
1	ABUITH P	11	
2	ADHEELA PARVEEN M	13	
3	ADHWAITH V A	07	. 34
4	AFRIN P E	11	
5	ALBIN JOSE	13	·
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30	MUHAMMED BAJI BASHEEK	15	
31	MUHAMMED RAMEES M	15	
32	MUHAMMED RASLAN	21	
33	MUHAMMED SHAN KC	22	
34	NAJIYA K P	16	
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WMO ARTS AND SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

Bridge Course For Advanced Learners - 2020-23

(30- hours)

Syllabus

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Unit 1	Concepts of Interactive learning. Scope and Challenges in Computer Application. How to target our aim. Best practices in learning.	10 hours
Unit 2	Advance Programming language skills. Android development cycle.	6 hours
Unit 3	Introducing a new programming language by a resource person	4 hours
Unit 4	IoT concepts, Big data, Cloud computing basics	5 hours
Unit 5	GD basics. Mock Interview techniques. Basic Communication skill development.	5 hours

WMO ARTS AND SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

Bridge Course For Slow Learners - 2020-23

(30- hours)

Syllabus

Concepts of Interactive learning. Scope and Challenges in Computer Application. How to target our aim. Best practices in learning.	10 hours
Fundamentals of Mathematics Sets, Linear algebra, matrices. Boolean algebra.	6 hours
Fundamental concepts of Differentiation and Integration.	4 hours
Data Interpretation, Passage writing. Basic Communication skill development.	5 hours
Logical problem Solving concepts. Converting problem into modules and algorithms.	5 hours
	Concepts of Interactive learning. Scope and Challenges in Computer Application. How to target our aim. Best practices in learning. Fundamentals of Mathematics Sets, Linear algebra, matrices. Boolean algebra. Fundamental concepts of Differentiation and Integration. Data Interpretation, Passage writing. Basic Communication skill development. Logical problem Solving concepts. Converting problem into modules and algorithms.

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W M O Arts and Science College, Muttil

Department of Mathematics

Report on Bridge courses and induction programs

The department regularly organizes and conducts bridge courses for the newly admitted UG & PG students before the commencement of their first semester classes. The main objective of the course is to bridge the gap between subjects that they are studying at plus two or Graduate level and subjects they would be studying in their new UG or PG Programme. Entry level tests are conducted for newly admitted students based on the curriculum of their qualifying courses. Slow learners are identified first through the marks obtained in the entry level tests and by taking feedback from the students. The tutor conducts discussions with their wards to identify students who have learning disabilities and those who are slow learners. Such students are given bridge courses and remedial coaching by the concerned teachers. Tutors give individual attention to slow learners and their progress is monitored and recorded. Peer learning is also encouraged to support slow learners. Teachers provide lecture notes and other learning supplements for students to comprehend the topic taught.

The specific objectives of the Bridge Course are:

i. To provide an adequate foundation for the students to demystify various new topics in each of the courses.

ii. To identify the strengths, weaknesses, learning levels, and areas of interest of students.iii. To revise the fundamental concepts of all key subjects studied previously

2021-22

1. Bridge course on Foundations of Mathematics

No. of students attended: 25 Course Co-ordinator : Aswathi K Duration : 21-1-2022 to 28-3-2022 Beneficiaries: First semester BSc Physics, Chemistry, and Electronics students

2. Bridge course on Basic Calculus

No. of students attended: 48 Course Co-ordinator : Drisya T Das Duration :20-2-2022 to 10-3-2022 Beneficiaries: First semester BSc Mathematics students

3. Induction Program for PG students

No. of participants: 22 Course Co-ordinator: Fathima Sithara Duration: 6-12-2021 to 12-1-2022

Due to the Covid pandemic, the bridge course on Foundations of Mathematics and the Induction program for postgraduate students during the year 2021-22 were conducted in online mode through Google Meet. The bridge course on Basic Calculus was conducted in offline mode. The participants benefitted from the programs and could fill

the gaps in their knowledge and skill. The bridge course on Foundations of Mathematics was conducted for students learning Complementary Mathematics to support them in acquiring basic knowledge in essential topics.

2020-21

1. Bridge course on foundations of Mathematics for UG students

No. of students attended:70 Course Co-ordinator : Aswathi K Duration : 1-3-2021 to 10-6-2021 Beneficiaries: First semester BSc Physics, Chemistry, and Electronics students

2. Bridge course on Basic Calculus

No. of participants : 18 Course Co-ordinator: Chiranmay Murali Duration: 4-3-2021 to 28-3-2021 Beneficiaries: First semester BSc Mathematics students

2019-20

1. Bridge course on Foundations of Mathematics

No. pf students attended : 39 Course Co-ordinator : Jibina Augusty Duration: 8-8-2019 to 22-8-2019

2. Induction Program for PG students

No. of participants : 26 Course Co-ordinator : Mini C Duration: 20-8-2019 to 28-8-2019

2018-19

1. Bridge course on foundations of Mathematics

No. of students attended:25 Course Co-ordinator : Chiranmay Murali Duration : 10-9-2018 to 25-9-2018 Beneficiaries: First semester BSc Physics, Chemistry, and Electronics students

2. Bridge course on Basic Calculus

No. of participants : 18 Course Co-ordinator: Dr Viji Paul Duration: 3-1-2019 to 31-1-2019 Beneficiaries: First semester BSc Mathematics students

2017-18

1. Bridge course on foundations of Mathematics

No. of students attended: 20 Course Co-ordinator : Syamkrishnan M S Duration : 10-9-2018 to 25-9-2018 Beneficiaries: First semester BSc Physics, Chemistry, and Electronics students

Date: 21th February 2022 Topic : Functions, Limits, continuity Resource Poson: Dr Viji Paul Signature Department SIN Name thebal BSC Physics · Fathma Hiba Abamed Harris 11 a: Hamida Farthima (Juit . BSC chemistry 3. TheJalakshmi, M AD1 BSC Chemistry 4. Shahana m.S BSC chemistry 5 Megha S BSC Chemistry 6. Aishwarya. M.V N1244 BSC chemistry Nandana kaishna ar wind 8. Rajeswari K.S BSC chemistry Andlast Bic chemistry 9. Anamika V - Bahang Bsc. physics. 10 Fathing Fashana And 11 11 Anshiya shisin NARTH. 11 12 Nehla Nessia Abbin .. 1. 13 ABING MERY pro-BSC Chemistry (4) RIFA FATHIMA N Antimenas BSG Chemistry (5) ASMINA PARVEEN 1261n BSC PHYSICS 16. ABIN SAJI ----V 17 Muhammed Ashique

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DEPARTMENT OF PHYSICS WMO ARTS & SCIENCE COLLEGE

"education and some more" Affiliated to University of Calicut (Aided by Govt. of Kerala) P.O. MUTTIL, WAYANAD, KERALA - 673122

BRIDGE COURSES 2021-22

Summary report

The Department regularly conducts Bridge Courses for the newly joined students in the Undergraduate and Postgraduate Programmes. The main objective of the course is to bridge the gap between Plus two or Graduate level and their new UG or PG programmes. The knowledge level of the students with the qualifying degree is also checked during the sessions. The Department has provided three bridge courses in the academic year 2021-22. Details are as follows:

Sl. No.	Course name	Course Coordinator	No. of hours	Date
1	Basic Mechanics & Mathematics	Dr. Biju K G	30	05/02/2021
2	Basics in Physics & Mathematics	Neeraja Krishna	10	02/11/2021
3	Basics in Mathematical Physics	Amaya Sivan	10	18/12/2021

The syllabi of the bridge courses are prepared well in advance by the faculties in-charge. At the end of the course, an examination is also conducted through offline/online mode. It is evident that most of the students who attended the Bridge course have gained the basic knowledge and problem solving skills required for the new programme. During the bridge courses themselves, slow and advanced learners are identified.

Syllabus Link:

MSc bridge course Mathematical Physics

Complementary_BRIDGE COURSE.docx

BSc Physics ISEM Bridge course syllabus..docx

BRIDGE COURSE – M.SC ELECTRONICS(2020)

<u>SYLLABUS</u>

Introduction to Electronics: basic concepts, electronic components, and circuit analysis techniques. Network Theory: resistive circuits, capacitive circuits, inductive circuits, and AC circuits. Diodes and Transistors: types of diodes and transistors, diode and transistor circuits, and applications. Operational Amplifiers: characteristics, applications, and circuits. Digital Electronics: logic gates, flip-flops, counters, and digital system design. ,Microwave Theory: microwave components, microwave transmission lines, and microwave circuits. Signal Processing: Fourier analysis, Laplace analysis, and digital signal processing .Communication: analog communication systems, digital communication systems, and wireless communication.

OBJECTIVE/OUTCOME

Bridge courses for first year MSc Electronics students are designed to provide them with a strong foundation in the core concepts of electronics. The course aims to bridge the gap between the undergraduate and postgraduate levels of study by helping students develop a comprehensive understanding of advanced topics in electronics, including digital signal processing, microprocessors, communication systems, and control systems. The course also intends to equip students with the necessary skills and knowledge to pursue advanced research in electronics and related fields and skills required for their postgraduate studies in electronics.

PRE-REQUIREMENT

- Should complete graduation in electronics or physics
- Basic understanding of undergraduate-level electronics concepts such as circuits, signals and systems, electronic devices, and electromagnetic fields.
- Proficiency in mathematics, including calculus, differential equations, linear algebra, and complex analysis.
- Basic understanding of undergraduate-level electronics concepts such as circuits, signals and systems, electronic devices, and electromagnetic fields.
- Proficiency in mathematics, including calculus, differential equations, linear algebra, and complex analysis.

Joseph Associate Professor/HOD martment of Electronics) Arts & Science College tii P.O., Wayanad - 673122

REPORT

A bridge course was conducted for first-year MSC electronics students by Mr. Siby Joseph, HOD Department of Electronics on 9/03/2020. The course took approximately 10 hours to complete the syllabus and had around **16** students participating. The course was designed to provide a strong foundation for the students . The course covered important concepts such as electronic circuits, digital electronics, signals, and systems. The course also provided hands-on training to the students, which helped them to understand the concepts better. The course was conducted in an interactive manner using various teaching techniques to engage the students. He also provided ample opportunities for the students to ask questions and clarify their doubts. Overall, the bridge course was a success, as it provided the students with a strong base in the fundamentals of electronics. It is expected that the knowledge gained from the course will help the students to perform well in their subsequent studies and research in the field of electronics.

-070 R course

y Joseph Associate Professor/HOD Department of Electronics WMO Arts & Science College Muttil P.O., Wayanad - 673122

ATTENDANCE REPORT

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NO	NAMES	SIGNATURE 9/3 200	10/8/2010	11/3/2020
1 ,	ABIDA NP	Abile	Abites	Albrog
2	ANUSREE P.M.	Anure	Anun	Dougon .
3	ARUN M V	Stall	As	Am
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BRIDGE COURSE - 2020 - BSC

SYLLABUS

Introduction to Electronics - Definition, applications, Electric field, Potential, Potential difference, Electric current, Relation between charge and current, Concept of Voltage and Current Sources, AC and DC. Concepts of open and short circuit, Ohm's law, Electrical Resistance, Factors affecting Resistance, Temperature coefficient, Resistivity, Load Resistance and load current, Power dissipation, Passive components -R,C,L- Types, construction, symbols, specifications, Units Colour coding, Testing. Rectifiers - Half wave, full wave, bridge.

OBJECTIVE/OUTCOME

The purpose of the bridge course is to provide students with the necessary background knowledge and skills to succeed in their BS Electronics program. This may involve reviewing and reinforcing concepts from high school physics, introducing new concepts that will be important for their degree, and helping students develop the problem-solving and analytical skills necessary for success in the program.

PRE-REQUIREMENT

students should have completed their 10 + 2 education with a background in physics, and have a basic understanding of the fundamentals of physics. This may include topics such as, electromagnetism, optics, and modern physics.

oseph Siby essor/HOD Associate P Electronics Department nce College nad - 673122 WMO Arts & Muttil P.O., V. 4

REPORT

On January 4, 2020 a bridge course was conducted for first-year BS Electronics students who had just completed their Plus Two, to provide them with a basic knowledge of electronics. The course was led by Abdul Rasheed, Associate Professor in the Electronics department. Approximately 33 students participated in the program, which took 10 hours to complete. The course was very informative and provided the students with a solid foundation in electronics. The students left the course with a better understanding of electronics and were well prepared to continue their studies in the field. The bridge course conducted by Abdul Rasheed was successful in achieving its objective of providing the students with a basic knowledge of electronics, and the students greatly benefited from the course.

Course Cordinater

by Joseph ssociate Professor partment of Electronics Arts & Science College til P.O., Wayanad - 673122

ATTENDANCE REPORT

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DEPARTMENT OF COMMERCE (COMPUTER APPLICATION) WMO ARTS & SCIENCE COLLEGE

"education and some more" Affiliated to University of Calicut (Aided by Govt. of Kerala) P.O. MUTTIL, WAYANAD, KERALA - 673122 Phone : 04936-203382 (Office) 04936-207532 (Principal) e-mail : wmocollege@gmail.com website: WWW.wmocollege.ac.in

Bridge Course

Report: 2017-2022

The department has been conducting the bridge course for first-year undergraduate students for the last 6 years. This course is arranged to bridge the knowledge gap of students. It is designed to link higher secondary syllabi to the syllabi of undergraduate courses at the entrylevel. It also aims to impart basic courses in accounting which forms a part of the early program. The course is designed with a structured syllabus and coordinated by department coordinators. The head of the department monitors the overall conduct of the course. The students coming from different academic backgrounds are getting the benefit of this course.

The syllabi of the course are given below:-

Introduction to accounting – accounting principles – accounting concepts and Conservatives – double entry system of Accounting – journal – ledger – subsidiary books – cash book – petty cash book – bank reconciliation Statement – bills of Exchange – journal proper - trial balance – rectification of errors – financial statements/ final accounts.





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"education and some more" Affiliated to University of Calicut (Aided by Govt. of Kerala) P.O. MUTTIL, WAYANAD, KERALA - 673122 Phone : 04936-203382 (Office) 04936-207532 (Principal) e-mail : <u>wmocollege@gmail.com</u> website: WWW.wmocollege.ac.in

The year-wise list of students who benefitted through this course is provided below:-

Academic Year	Number of students	Department coordinator
2017-18	64	Sebastian Mathew
2018-19	46	Sruthi S Kumar
2019-20	63	Praveen Mathew
2020-21	66	Praveen Mathew
2021-22	68	Praveen Mathew



PRAVEEN MATHEW Assistant Professor

HOD DEPARTMENT OF COMMERCE (Computer Application) WMO Art & Science College Muttil

BRIDGE COURSE DETAILS (2021 - 2024 ADMISSION) SYLLABUS . Introduction to Accounting — Accounting principles; Accounting concepts and concervatives. — Double entry system of accounting — Journal — Ledger — Subsidiary books — Cash books — petty Cash books — Bank reconcilation statements Bills of exchange — Journal proper — Trial balance-Reconcilation of errors — Financial Statements Or Trial Final Accounts or Trial Final Accounts.

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Total Hour : 10 hrs. Course co. ordination : Praveen milber List of students:

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WMO ARTS AND SCIENCE COLLEGE, MUTTIL

DEPARTMENT OF CHEMISTRY

REPORT ON BRIDGE COURSE (2017-2018)

The Department of Chemistry, WMO Arts and Science College facilitated a bridge course for first-year undergraduate students. The title of the course was "**Introduction to General Chemistry**." The course was designed to familiarize students with the fundamental ideas and concepts that form the core of chemistry. It included three modules, each focusing on a different branch of chemistry - Physical Chemistry, Organic Chemistry, and Inorganic Chemistry. This approach ensured that students had a holistic understanding of the discipline before commencing their regular coursework.

Ms. Nidhisha V was appointed as the teacher-in-charge for this course. She is an experienced educator with a robust background in the subject matter and was instrumental in guiding the students through this initial phase of their undergraduate studies. The course ran for five days and saw active participation from 33 students. This strong attendance rate underscores the students' enthusiasm and willingness to understand the basics of chemistry before venturing into more specialized topics.

In the "Introduction to Physical Chemistry" module, the students were introduced to the principles and theories underlying physical phenomena and their relationship with chemical systems. The "Introduction to Organic Chemistry" module dealt with the structures, properties, composition, reactions, and synthesis of organic compounds. Lastly, the "Introduction to Inorganic Chemistry" module covered the study of properties and behaviors of inorganic compounds.

This bridge course was an essential part of students' transition from high school to undergraduate study, equipping them with the prerequisite knowledge to excel in their chemistry studies. It also served as an opportunity for students to familiarize themselves with the teaching methods employed by the Department of Chemistry. In conclusion, the "Introduction to General Chemistry" bridge course has been successful in instilling the basic concepts of chemistry in first-year students. This foundation will undoubtedly serve them well in their forthcoming academic pursuits within the realm of chemistry. The Department of Chemistry looks forward to continuing this program in the future to aid incoming students in their academic transitions.

Course Coordinator

Nidhisha V

Bridge Course for the year 20177-18

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WMO ARTS AND SCIENCE COLLEGE, MUTTIL

DEPARTMENT OF CHEMISTRY

BRIDGE COURSE ON

INTRODUCTION TO GENERAL CHEMISTRY

Academic year: 2017-18 No. of Hours: 10

Course Objectives

The purpose of a bridge course is to help students transition from high school to college by developing their academic skills and knowledge in chemistry. It is a unique compilation which deals with those concepts in particular, that forms the basis of much higher concepts of chemistry syllabus and to gain knowledge about various areas of physical, inorganic and organic chemistry.

Syllabus

Module 1: Introduction to physical chemistry

Applications of the techniques and theories of physics to the study of chemical systems-concepts of the atom, molecule, element and compound -state of matter- basics of thermodynamics-general concepts of chemical kinetics-chemical equilibria-basics of electrochemistry-solutions-basics of surface chemistry concepts of solid state.

Module 2: Introduction to inorganic chemistry

Review of chemical bonding-MO theory and concepts of hybridization-acid base chemistry-redox stability and redox reactions-study of periodic table- classification of elements and periodicity in properties -basics of co-ordination chemistry-basic concepts of organometallics.

Module 3: Introduction to organic chemistry

Basic principles of organic chemistry-balancing chemical equations-tetravalence of carbon and shapes of organic compounds-classification of organic compounds-nomenclature-isomerism-fundamentals concepts in organic reaction mechanism-named reactions.

Department of Mass Communication and Journalism WMO College of Arts & Sciences, Muttil, Wayanad, Kerala

2020- 2021

BRIDGE COURSE

(A Pre-Course for First year B.A Mass Communication)

OBJECTIVES

The course is conceived exclusively for the first year students. It is offered for the first five days in the campus before the department gets full-fledged and ready for the regular course hours. It functions as a bridge, and pre-course as well, to the three-year course, provided by the department. Its major objectives are:

- to introduce the newly admitted students to the department and course of Mass communication,
- to give an opportunity to freely interact with the available faculties of the department,
- to facilitate and bridge the gap between school and college level in terms of learning, academics and pedagogy; and
- to ensure the students get to know the basics of media both as a course and as a profession, and
- to familiarize the students with the media field of their respective interest.

BASIC MODULES

- 1) the 'Department' and the 'Discipline',
- 2) Higher education: General structure and Pedagogy, and
- 3) the Course Basics.

Report (2020-2021)

An academic year coming during the pandemic time, the bridge course also was conducted online. The early sessions were conducted through Google meet, which was later shifted to Teach mint app after having a short introduction to the app.

Day 01: 20-01-2021 (Wednesday)

Hours: 02hrs

Module: the 'Department' and the 'Discipline'

Conceived of a limited number of portions, the module is primarily intended to introduce the newcomers to the college department, its mode of functioning and the facilities it provides in the course duration. The major themes of the discussion here are following:

Department of Mass communication: its origin and evolution Departmental tour Alumni placements in various central universities and media firms Scope of the course and opportunities

Day 02: 21-01-2021 (Thursday)

Hours: 04hrs

Module: The 'Department' and the 'Displine'

'Open interaction with the faculties'

In a continuation to the last four-hour long session, this free and open-ended interaction helps the students to get familiar with the faculties available and the area of their interest. The session also includes a session called 'My Masscom Journey', in which each faculty will dwell in detail to her journey as a student and professional and later as an academician. At the end of this session, the student is well-informed about the opportunities and options available for her once she completes the course.

A deliberate attempt is made here to enlist the students who already got any sort of exposure to mediascape in terms of a byline in print or an exposure to channel show. Quite naturally, this enlisting is extended to the digital media platforms too.

Day 03: 22-01-2021 (Friday)

Hours: 04hrs

Module: Higher education: General structure and Pedagogy

This module is largely designed to get students familiar with the university course structure. The module guides her to unlearn the earlier model of her pre-graduate education and lands her well-fit to the new stream of University learning. The session primary deals with the offered course structure and its evaluation methods. It also helps the student to get well prepared for the lectures that are to be given in the department throughout the course duration.

The session well familiarizes her to the Core, Complimentary, Open and Audit courses along with a grand and detailed note on the semester credit systems and internal and external examinations. The module also includes a discussion on Lecture notes methods.

And, of course, in this post-covid academic year the modules also included an additional discussion about the online and offline platforms of learning. The major themes of the module are as following:

Core-Complimentary-Audit- Open courses Semester Credit system Assignment and Seminars Internal and external Exams and Marks Developing Lecture-notes Online and offline platforms of learning

Day 04: 25-01-2021 (Monday)

Hours: 02hrs

Module: The Course Basics

This module, dealt with in two day consequent days, is largely designed to get the students well-familiar with the basic Jargons and vocabulary related to the discipline and filed. It gives a short overview of Malayalam mediascape, detailing the following (but not limited) areas: major profiles, Magazines, Channels, Radio stations. The module also introduces the very basic apps and soft wares a student needs in her early career as a media professional. It also helps the students to have a look at the major components of TV and Newspaper.

Day 05: 27-01-2021 (Wednesday)

Hours: 02 hrs

Module: the Course Basics

As a concluding session of the course, here the instructor primarily deals with the group learning and LSRW skills of the students. During the hours, the students are grouped in to Average and below Average levels and are trained accordingly. Also, this training is carried out partially throughout the course duration.

List of the candidates:

1	FIDHA SHERIN C
2	FATHIMA THAHANA V K
3	RUKSANA MN
4	RUMAISA FATHIMA
5	SHAHARBAN PT
6	ADIL NASEEF
7	ARAVIND PM
8	MOHAMMED RAMEEZE
9	SALIL HISHAM C
10	VYSHNAV SURENDRAN
11	SHAHEERA P N
12	IHSAN FARIS K
13	NAHAS VP
14	MUHAMMAD MUNSHIR K
15	ADITHYA J
16	ANHA SHERIN P
17	ANSHIDA M
18	ANU JOSE
19	ARYANANDHA MS
20	ASLAHA PARVIN
21	ASMEENA SHERIN V K
22	ASNA C
23	AYSHA PARVEEN K K
24	FARSANA
25	FEBINA SHAFARI
26	HASNA SHIRIL
27	JITHILSHA FARVIN T N
28	JYOTHISANDRA MOORTHODI
29	MUBASHIRA
30	MURSHIDA BANU P
31	NAHASIYA P N
32	RISANA T
33	RISHANA NESRIN V M
34	RISHANA RUBIN O R
35	ROSE PS
36	SANIYA N
37	FATHIMA SITHARA
38	SREEJITHA S
39	SREELEKHA PRASAD
40	ABHINAV K V
41	AJINAS P

42	AKBAR ALI VH
43	ANAND N B
44	ANEES SUBAIH
45	ANFAS M K
46	ANWAR A M
47	DHANRAJ P
48	FAHAD
49	IRFAN FAIZAL T P
50	MUHAMMED ANSIL M K
51	MUHAMMED BADSHA K P
52	MUHAMMED FASAL M
53	MUHAMMED HAFIS
54	MUHAMMED RAMEES P P
55	MUHAMMED SAINUL RASHID
56	MUHAMMED SUHAIL K
57	NITHIN N G
58	SADAKKATHULLA T
59	SAINATH S
60	SALMANUL FARIS
61	SALMANUL FARIS
62	MUHAMMED THASLEEM PK

Name of the Course coordinator:

Soumya Mathai

Sam

Head of the Department

Anu Ann Varghese

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WMO ARTS & SCIENCE COLLEGE, MUTTIL

Department of Statistics

Report on Bridge course

Post Graduate Department of statistics introduced a bridge course in the name of Preparatory Courses in Statistics and Mathematics. The course was designed for the first-year students of MSc Statistics with the purpose of giving foundational knowledge in Mathematics, Statistics and Communication skills. The course covered essential topics such as statistics definitions, data sources and types, graphical representation, descriptive statistics, moments, skewness, kurtosis, index numbers, correlation, regression, time series, differentiation, integration, complex numbers, Laplace transformation, Fourier series, linear algebra, and communication skills.

The Department conducted entry level test for newly admitted students based on the curriculum of their qualified courses. Slow learners are identified first through the marks obtained in the entry level tests and by taking feedback from the students. The tutor conducts discussions with their wards to identify students who have learning disabilities and those who are slow learners. Such students are given bridge courses and remedial coaching by the concerned teachers. Tutors give individual attention to slow learners and their progress is monitored and recorded. Peer learning is also encouraged to support slow learners. Teachers provide lecture notes and other learning supplements for students to comprehend the topic taught.

2017-2018

1. Preparatory Courses in Statistics and Mathematics

No. of students attended:09 Course Co-Ordinator: Mr. Sajin Gopi Duration:15-09-2017 to 25-09-2017 Beneficiaries: First Semester M.Sc. Statistics students

2018-2019

2. Preparatory Courses in Statistics and Mathematics

No. of students attended:11 Course Co-Ordinator: Ms. Athira Jose Duration:15-08-2018 to 25-08-2018 Beneficiaries: First Semester M.Sc. Statistics students

2019-2020

3. Preparatory Courses in Statistics and Mathematics

No. of students attended:16 Course Co-Ordinator: Mr. Shakkilurahman OPC Duration:19-08-2019 to 21-08-2019 Beneficiaries: First Semester M.Sc. Statistics students

2020-2021

4. Preparatory Courses in Statistics and Mathematics

No. of students attended:14 Course Co-Ordinator: Mr. Muhammed Nizam Duration:23-11-2020 to 11-12-2020 Beneficiaries: First Semester M.Sc. Statistics students

2021-2022

5. Preparatory Courses in Statistics and Mathematics No. of students attended:16 Course Co-Ordinator: Dr.Mini T C Duration:03-01-2022 to 09-01-2022 Beneficiaries: First Semester M.Sc. Statistics students