भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल

Indian Institute of Science Education and Research Bhopal

(Established by the Ministry of Human Resource Development, Government of India)
Bhopal Bypass Road, Bhauri, Bhopal - 462 066, Madhya Pradesh, India

TRANSCRIPT

Name : Amar S Thomas
Roll No. : 18339

Programme : BS-MS (Dual Degree)
Discipline : Chemistry

Course No.	Course Title	Credit(s)	Grade
2018-2019 Semester I			
BIO101	Biology I: Biomolecules	3	C
BIO103	General Biology Laboratory	1	C
CHM101	General Chemistry	3	B
EES101	Earth Materials and Processes	3	B
HSS101	English for Communication	2	S
MTH101	Calculus of One Variable	3	B
PHY101	Mechanics	3	C
PHY103	General Physics Laboratory I	1	C
PT101	Physical Training	0	S
2018-2019 Semester II			
BIO102	Biology II: Fundamentals of Cell Biology	3	C
CHM112	Basic Organic Chemistry I	3	B
CHM114	Chemistry Laboratory I	1	A
ECS102	Introduction to Programming	3	B
EES102	Introduction to Environmental Sciences	3	B
MTH102	Linear Algebra	3	B
PHY106	Quantum Physics	3	B
2019-2020 Semester I			
CHM211	Basic Organic Chemistry II	3	B
CHM221	Basic Physical Chemistry	3	B
CHM223	Chemistry Laboratory II	1	A
EES201	Atmospheric Sciences	3	A
EES205	Oceanography	3	B
EES207	Introduction to Earth and Environmental Sciences Laboratory	1	B
MTH201	Multivariable Calculus	3	B
MTH203	Introduction to Groups and Symmetry	3	B
2019-2020 Semester II			
CHM204	Basic Inorganic Chemistry	3	A
CHM206	Chemistry Laboratory III	1	A
CHM222	Classical Thermodynamics	3	A
EES202	The Evolution of the Earth	3	A
EES208	Geochemistry	4	B
MTH202	Probability and Statistics	3	C
MTH204	Complex Variables	3	B
2020-2021 Semester I			
CHM301	Symmetry and Group Theory	4	A
CHM311	Organic Chemistry I	4	B
CHM321	Physical Chemistry of Solutions	4	A
CHM325	Mathematical Methods for Chemists	4	A
CHM343	Chemistry of Biological Systems	4	B
ECO500	Law Relating to Intellectual Property and Patents	1	S
2020-2021 Semester II			
CHE306	Chemical Reaction Engineering I	4	A
CHM302	Chemistry of Transition Metals	4	A
CHM312	Organic Chemistry II	4	B
CHM313	Organic Chemistry Laboratory II	3	A
CHM314	Quantitative Methods in Chemistry	4	A
CHM322	Principles of Quantum Chemistry	4	A
CHM324	Physical Properties of Matter	4	A
2021-2022 Semester I			
CHM401	Main Group Chemistry	4	A
CHM403	Inorganic Chemistry Laboratory	3	A
CHM411	Physical Organic Chemistry	4	C
CHM421	Statistical Mechanics	4	A
CHM609	Organometallics	4	B
CHM637	Chemistry and Physics of Materials	4	B
2021-2022 Semester II			
CHM402	Applications of Modern Physical Methods	4	A
CHM416	Spectroscopy and its Application in Organic Molecules	4	B
CHM422	Molecular Spectroscopy	4	A
CHM426	Physical Chemistry Laboratory	3	A
CHM628	Electrochemistry: Fundamentals and Applications	4	B
CHM632	Physical Chemistry of Polymers	4	B
2022-2023 Semester I			
CHM501	MS Thesis	14	A
CHM629	Advanced Molecular Spectroscopy	4	A
2022-2023 Semester II			
CHM501	MS Thesis	18	A

Cumulative Performance Index : 8.88 out of 10.00

Total Credits Attempted : 208

Total Credits Obtained : 208

Programme Joining Date : Aug 21, 2018

Programme Completion Date : May 19, 2023

Date: June 13, 2023

Assistant Registrar (Academics)

Dean, Academic Affairs

1. Course Codes

BIO	Biological Sciences	EES	Earth and Environmental Sciences
CHE	Chemical Engineering	ECS	Electrical Engineering & Computer Science
CHM	Chemistry	HSS	Humanities and Social Sciences
DSE	Data Science and Engineering	MTH	Mathematics
ECO	Economic Sciences	PHY	Physics

The medium of instruction for all courses in all disciplines is English

2. Minor – Applicable only for the BS-MS (Dual Degree) Programme

A student earning 18 or more credits in professional courses (3rd year of study onwards) along with other department specific additional requirements, as applicable, other than his/her parent discipline, will earn a 'Minor' in the said discipline.

3. Academic Semesters

Semester I: August to November
Semester II: January to April
Semester III (Summer Term): May to July

4. Repeat

Repeat means the student registers for the course in which he/she has obtained 'F' grade, during the regular semester. The credits of repeat course(s) are added to the attempted course credits.

5. Re-examination

Re-examination means student attempts the end-semester exam of a course in which he/she has obtained 'F' grade without registering for the course again. The credits of re-examination course(s) are not added to the attempted course credits.

6. Substitute

Substitute means the student replaces the course in which he/she has obtained 'F' grade, with another course. The credits of substituted course(s) are added to the attempted course credits.

7. Improvement

Improvement means the student attempts for the same course towards improvement of grade, during the regular semester. The credits of improvement course(s) are added to the attempted course credits.

8. Grading System*

Letter Grade	Definition/Numerical Value	Letter Grade	Definition/Numerical Value
O	10	D+	5
A	10	D	4
B+	9	F	0
B	8	I	Incomplete
C+	7	S	Satisfactory
C	6	X	Unsatisfactory

Note: The Institute does not declare percentage or award any division. Notionally, the CPI may be multiplied by a factor of 10 to obtain the numerical percentage.

9. SPI and CPI

The Semester Performance Index (**SPI**) is a weighted average of the grade points earned by a student in all courses during a given semester. The Cumulative Performance Index (**CPI**) is a weighted average of the grade points earned by a student in all the courses up to and including the last completed semester. SPI/CPI are calculated as:

$$SPI/CPI = \frac{\sum_{i=1}^{n} c_i g_i}{\sum_{i=1}^{n} c_i}$$

where c_i = credit for the i^{th} course; g_i = grade points secured by the student for the i^{th} course. For SPI, the summation is over all the courses credited by the student in that semester and for CPI, the summation is over all the courses credited by the student in all the completed semesters. 'S' and 'X' grades shall not be considered in the computation of the SPI/CPI.

The minimum CPI required for the award of BS/BS-MS (Dual Degree), M.Sc./MS and Ph.D. degree are 5.00, 6.00 and 7.00, respectively, on a10.00 point scale. The maximum CPI that can be earned is 10.00.

*The letter Grading System includes updates of 1-point scale, effective from January 2023.