

Jawaharlal Nehru University
MONSOON SEMESTER 2017

Day	8 – 8:50	9 – 9:50	10 – 10:50	11- 11:50	12 – 12:50	LUNCH 1:00-2:00	2-2:50	3-3:50	4-4:50	5-5:50	6- 6:50
Mon		CS-T4 PS 412 PS 621 BT 125 BT228 LS 401 LS 476 IT 453 CS 129	CS-T1 PS417* Analysis PS 511 PS 664 BT 121 BT 210 LS 102 LS 475 IT 405(T) IT 452 CS 753 CM 404 CM 427 ES-107 ES-214 ES-653 NS 615	CS-T2 PS 425* Topology PS 514* PS 664 BT 106 BT 229 LS 102 LS 504 IT 405 IT 455 CS 102 CS 110 CS 765 CM 404 CS 102 CS 110 CS 753 CM 404 CM 426 ES-106 ES-208 ES-220 ES-651 NS 612	Algebra BT 127 BT 225 LS 402 LS 476 IT 404 IT 455 CS 102 CS 110 CS 765 CM 404 CM 423 ES-103 ES-228 ES-212 ES-586 NS 613		CS-L1 PS 620C PS 415 PS 515 PS 515 PS 603 BT 113 LS 402 LS 478 IT 402 IT 422 CS 182 CS 106 CM 406 CM 454 NS 611	PS 621C PS 415 PS 515 LS 406 LS 478 IT 402 IT 453 CS 182 CS 106 CS 771 CM 406 CM 454	PS 618C PS 415 PS 515 LS 406 LS 504 IT 453 IT 716 CS 774 CM 406 CM 454	LS 406 CS 774 CM 406 CM 454	

Tues	CS-T3 PS 412 PS 427 PS 621 BT 125 BT 223 LS 103 LS 476 CS 104 CS 115 CS 129 CS 703 ES-208 ES-203	CS-T1 PS417* Analysis PS 427 PS 664 BT 118 BT 224 LS 101 LS 507 IT 451 IT 604 IT 715 CS 103 CS 109 CS 114 CS 777 CM 401 ES-101 ES-226 ES-652 NS 611	CS-T4 PS 425* Topology PS 512 PS 664 BT 118 BT 230 LS 404 LS 501 IT 405 IT 455 IT 605 CS 181 CS 112 CS 149 CS 706 CM 402 CS 181 CS 112 CS 114 CS 706 CM 427 ES-211 ES-219 ES-655 NS 612 ES-107 ES-205 NS 613	Algebra BT 125 BT 231 LS 403 LS 477 IT 422 IT 602 CS 181 CS 112 CS 149 CS 706 CM 402 CM 427 ES-211 ES-219 ES-655 NS 612	CS-L1 PS 620C PS 415 PS 415 PS 515 PS 603 BT 113 LS 403 LS 508 IT 605 IT 717 CS 185 CS 126 CS 726 CM 406 CM 454 CM 454 NS 619	PS 621C PS 415 PS 515 LS 406 LS 501 IT 402 IT 451 IT 605 IT 717 CS 185 CS 126 CS 730 CM 406 CM 454	PS 618C PS 415 PS 515 LS 406 LS 478 IT 451 IT 716 CM 406 CM 454	LS 406 CM 406
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Wed	<p>CS-T3 PS 412 BT 228 LS 401 ES 105 IT 453 CS 104 CS 115 CS 703 ES-105 ES-226</p>	<p>CS-T1 PS 413* Analysis PS 511 PS 662 BT 121 BT 210 LS 405 LS 503 IT 404 IT 452 IT 715 CS 103 Cs 109 Cs 180 Cs 773 CM 402 ES-104 ES-214 ES-203 ES-654 NS 619</p>	<p>CS-T2 Algebra PS 514* PS 662 BT 106 BT229 LS 104 LS 504 IT 405 IT 605 CS 106 CS 180 CS 773 CM 403 CM 423 ES-102 ES-205 ES-651 NS 612</p>	<p>BT 127 BT 231 LS 402 LS 505 IT 401 IT 422 CS 106 CS 149 CS 765 CM 405 CM 422 ES-211 ES-219 ES-586 NS 613</p>	<p>PS 512* BT 113 LS 401 LS 479 CS 771 CM 406 CM 454 CM 406 CM 454 NS 615</p>	<p>LS 406 LS 479 CS 771 CM 406 CM 454</p>	<p>LS 406 LS 505 CM 406 CM 454</p>	<p>LS 406 CM 406 CM 454</p>
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Thur	CS-T3 PS 412 PS427 PS 621 BT 223 LS 104 ES 105 IT 453 CS 104 CS 115 CS 129 CS 703 ES-105 ES-228	CS-T1 PS 413* Analysis PS 427 PS 662 BT 118 BT 224 LS 101 LS 503 IT 404 IT 452 CS 103 CS 109 CS 114 CS 777 CM 401 ES-101 ES-214 ES-203 NS 615	CS-T2 PS 425* Topology PS 511 PS 662 BT 126 BT 230 LS404 LS 501 IT 717 CS 181 CS 110 CS 149 CS 706 CS 114 CS 777 CM 403 CM 426 ES-104 ES-220 ES-208 ES-654 NS 619	BT 126 BT 226 LS 403 LS 507 IT 401 IT 451 IT 604 IT 717 CS 181 CS 110 CS 149 CS 706 CM 405 CM 422 ES-106 ES-212 ES-228 ES-655 NS 613	CS-L1 PS 620C PS 415 PS 415 PS 515 PS 603 BT 113 LS 404 LS 508 IT 715 CS 182 CS 185 CS 126 CS 182 CS 185 CS 126 CS 774 CM 406 CM 454 NS 611	PS 621C PS 415 PS 515 LS 406 LS 475 IT 715 CS 182 CS 185 CS 126 CS 730 CM 406 CM 454	PS 618C PS 415 PS 515 LS 406 LS 479 IT 602 IT 716 CS 730 CM 406 CM 454	LS 406 IT 602 CM 406 CM 454
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Fri	CS-T3 PS413 PS 512 BT 221 LS 403 LS 505 CS 104 CS 115 CS 129 ES-219	CS-T4 PS 417 Algebra PS 511 PS 662 BT 121 BT 221 LS 405 LS 475 IT 404 IT 451 IT 604 CS 103 CS 109 CS 180 CS 753 CM 401 CM 423 ES-103 ES-212 ES-226 ES-652 NS 611	CS -T2 Topology PS514 PS 662 BT 106 BT 225 LS 103 LS 503 CS 102 CS 112 CS 180 CS 773 CM 403 CM 426 ES-220 ES-653 NS 615	BT 127 BT226 LS 402 LS 477 IT 401 CS 102 CS 112 CS 149 CS 765 CM 402 CM 422 ES-102 ES-211 ES-205 NS 619	CS-L1 PS 620C PS 415 PS 415 PS 515 PS 664 BT 113 LS 405 LS 477 CS 726 CM 406 CM 454 NS 612	PS 621C PS 415 PS 515 LS 406 LS 507 CS 726 CM 406 CM 454	PS 618C PS 415 PS 515 LS 406 LS 508 CS 769 CM 406 CM 454	LS 406 CS 769 CM 406 CM 454
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* Different Timings

Chemistry M. Sc. I (Monsoon Semester, 2017-2018) (SPS)

CS-T1 Basic Organic Chemistry (3 credits) – Ankita Rai (AR)

CS-T2 Basic Inorganic Chemistry (3 credits) – Supriya Sabbani (SUS)

CS-T3 Quantum Chemistry(3 credits) – Sobhan Sen (SS)

CS-T4 Mathematical Methods for Chemist (2 credits) – Manoj Munde (MM)

CS-L1 Chemistry Laboratory-I (7 credits) – Sobhan Sen (SS) + Supriya Sabbani (SUS) + Pritam Mukhopadhyay (PM) + Dinabandhu Das (DD)
+ Ankita Rai (AR) + Manoj Munde (MM) + Pijus K Samal (PKS)

PhD Course work in Chemistry (Monsoon Semester, 2017)

PS 620C Concepts in Organic Chemistry (3 credits)

Pritam Mukhopadhyay (PM)

PS 621C Concepts in Inorganic Chemistry (3 credits)

Pijus K Sasmal (PKS)

PS 618C Crystallography: Basic Principles and Applications (3 credits)

Dinabandhu Das (DD)

M. Sc. (Physics) 1st Semester (Monsoon 2017)

PS 412 Classical Mechanics (3 credits)– Ram Ramaswami (RR)

PS 413 Quantum Mechanics- I (3 credits) – Debashis Ghoshal (DG)

PS 417 Mathematical Physics -I (3 credits)– Aranya Bhuti Bhattacharjee (ABB)

PS 425 Electronics (2 credits)– S. S. N. Murthy (SSNM)

PS 415 Physics Lab I (6 credits)–Satyabrata Patnaik (SBP), Ashim K. Pramanik (AKP) and Prasenjit Sen (PS)

Ph.D. Course Time Table in Mathematics@SPS, JNU

Algebra: Amala Bhave (Office No. 106)

Analysis: Vijay M. Patankar (Office No. 206)

Topology: Ved Prakash Gupta (Office No. 108)

M. Sc. (Physics) 3rd Semester (Monsoon 2017)

PS 427 Computational Physics (3 Credit) Subhasis Ghosh (SG)
PS 511 Condensed Matter Physics (3 Credit) –Subir K Sarkar(SKS)
PS 512 Subatomic Physics (3 Credit) –Poonam Mehta (POM)
PS 514 Atoms and Molecules(3 Credit) – Brijesh Kumar (BK)
PS 515 Physics Lab III (6 Credit) –Kedar Singh (KS) and Rabindra N. Mahato

Pre-PhD (Physics) 1st Semester (Monsoon 2017)

PS 603 Topics in Classical and Quantum Mechanics – Shankar Prasad Das (SPD) , Sanjay Puri (SP)
PS 621 Advanced Statistical Physics – Sanjay Puri (SP), Shankar Prasad Das (SPD)
PS 664 Special Topics in Condensed Matter Physics – Tanuja Mohanty (TM)
PS 662 Experimental Techniques in Condensed Matter Physics – Himadri B Bohidar (HBB)

M.Sc. Ist semester (SBT)

BT 125 Maths and Stats. (Abhinav Grover & Jaydeep Bhattacharya)
BT 118 Biochemistry & Enzymology (Deepak Gaur & Ranjana Arya)
BT 121 Bioorganic Chemistry (D.Choudhury & BS Balaji)
BT 106 Biophysical Chemistry (Rajiv Bhat & Rajesh Mishra)
BT 127 Molecular Biology of Prokaryotes (Aparna Dixit & SM Rajala)
BT 126 Bioinformatics-I (Pawan Dhar & Abhinav Grover)
BT 113 Lab. Techniques-I (concerned faculty members)

M.Sc. 3rd Semester (SBT)

BT 221 Biochemical Engineering (Abhinav Grover)
BT 210 Downstream Processing (SS Maitra)
BT 223 Chemical Biology (BS Balaji & D Choudhury)
BT 224 Advances in Protein Chemistry (Rajiv Bhat & Rajesh Mishra)

BT 225 Infectious disease biology (Rupesh Chaturvedi & Ravi Tandon)
BT 226 Cell Regulation and Control (Uttam Pati & Ranjana Arya)
BT 228 Biotech Product Development (Rakesh Bhatnagar & Deepak Gaur)
BT 229 Nano Biotechnology (Sunil Kateriya & Jaydeep Bhattacharya)
BT 230 Molecular and Cellular Basis of Viral Oncogenesis (Aparna Dixit & SM Rajala & Swati Tiwari)
BT 231 Advances in Human Molecular Genomics (D. Bharadwaj)

M.Sc. Ist Semester (SLS)

LS 401 Biochemistry
LS 402 Cell Biology
LS 403 Genetics
LS 404 Microbiology
LS 405 Chemistry of Macromolecules
LS 406 Life Sciences
LS 101 Physics for Biologists
LS 102 Maths
LS 103 Plant Biology
LS 104 Animal Biology

M.sc. IIIrd Semester (SLS)

LS 475 Immunology
LS 476 Animal Dev. Biology
LS 477 Plant Dev. Biology
LS 478 Computational Biology & Bioinformatics
LS 479 Biostatistics
LS 501 Mol. Genetics & Gene. Engg.

LS 503 Radiation Biology
LS 504 Virology
LS 505 Adv. Microbial Physiology
LS 507 Neurophysiology
LS 508 Biodiversity and Evolution
ES 105 Ecology

MSc-I (SCIS)

IT401 Mathematics-I 3 Sapna
IT402 Introduction to Probability and Statistics 3 Gajendra
IT403 Programming fundamentals and Data Structure 4 Dean SC&IS (Guest faculty)
IT404 Fundamentals of Physical Sciences 4 Prof. Kanaujia/Anirban/Arnab
IT405 Fundamentals of Biological Sciences 4 Rita

MSc-III(SCIS)

IT451 Computational Structure Biology 4 Subba/Arnab
IT452 Statistical Mechanics of Biomolecules: Theory and simulation 4 PB
IT453 Biological Sequence Analysis and Algorithms 4 Chari
IT421 Numerical Techniques and Programming Lab 3 Prof. R.K. Agrawal
IT422 Research Methodology 3 IG/Rita
IT454 Statistical Mechanics of Complex Systems 4 Anirban
IT455 Statistical and Computational Machine Learning 4 Narinder
IT756 Non Linear Dynamics 3 NA

PG Diploma(SCIS)

IT 601 Data collection and database management 3 Course Coordinator/Dean (guestfaculty)
IT 602 Data analytics and modeling 3 Shandar/Gajendra
IT 603 Data warehousing and integration 3 Dr. T.V. Vijaykumar
IT 604 Molecular modeling and simulation 3 Arnab/Subba
IT 605 Genomic data analytics 3 Mukesh
IT 606 Social networks and epidemiology 3 Anirban/Andrew
IT 607 Personalized medicine, health and clinical trials 3 NA/IG/Narinder

PhD(SCIS)

IT715 Computational Biology and Bioinformatics 3 Andrew/Mukesh
IT716 Mathematical and Statistical Methods for Bioinformatics 3 Gajendra/IG/Sapna
IT717 Algorithms and practical implementation in Bioinformatics 4 Shandar
IT718 Reading Course 2 All

MCA-I (ALL COMPULSORY)

CS-181 Digital Logic Dr. Zahid Raza
CS-102 Discrete Mathematics Prof. R.K. Agrawal
CS-103 Numerical Computing Prof. C.P. Katti
CS-104 Programming Using C Dr. Karan Singh
CS-182 C Programming Laboratory Dr. Sushil Kumar

MCA-III (All compulsory)

CS-109 Object Oriented Programming Dr. Ratneshwar

CS-112 Computer Networks Dr. Sushil Kumar
CS-110 Operating Systems Prof. D.P. Vidyarthi
CS-115 Design and Analysis of Algorithms Prof. Sonajharia Minz
CS-106 Computer Architecture Dr. Poonam Agarwal
CS-185 Object Oriented Programming Laboratory Dr. T.V. Vijay Kumar

MCA-V

CS-114 Web Based Programming Dr. Ayesha Choudhary
CS-180 Cloud Computing Prof. D.P. Vidyarthi
CS-129 Machine Learning Prof. Satish Chand
CS-126 Natural Language Processing Dr. Aditi Sharan
CS-149 Software Testing Dr. Ratneshwar

M.Tech.-I (Computer Science and Technology)

CS-773 Design & Analysis of Algorithms Dr. T. Gayen
CS-771 Grid and Cloud Computing Dr. Zahid Raza
CS-730 Computer Graphics Prof. S. Balasundaram
CS-703 Data Communication and Computer Networks Prof. D.K. Lobiyal
CS-753 Data Warehousing & Data Mining Prof. Parimala N.
CS-706 Database Management Systems Dr. T.V. Vijay Kumar
CS-777 Large Scale Graph Algorithms & Application Dr. Buddha Singh
CS-769 VLSI Design and Testing Dr. Ashutosh Srivastava
CS-726 VLSI Technology Dr. Poonam Agarwal

M.Tech.-III (Computer Science and Technology)

CS-765 Research Methodology Prof. Sonajharia Minz

CS-774 Academic Ethics and Technical Writing

SCMM- M.Sc. Ist- Semester- 2017

CM 401- 3 credits: Basic Biochemistry

CM 402- 3 credits: General Microbiology

CM 403- 3 credits: Cell & Developmental Biology

CM 404- 3 Credits: Anatomy & Physiology of Human Body:

CM 405- 2 credits: Pathology:

CM 406- 5 credits: (Biosafety, Microbiology, Biochemistry):

Course in-charge: V. Tandon / S.K. Dhar

Course in-charge: A. Ranganathan / S. Singh

Course in-charge: R.K. Tyagi / S. Aijaz

Course in-charge: Guest faculty -Dr. Fahim / Dr. Ram Prakash

Course in-charge: D. Ghosh / S. Bhattacharjee

Course in-charge: D. Ghosh; A. Ranaganathan / G. Das; V. Tandon / S.K. Dhar

SCMM- M.Sc. IIIrd - Semester- 2017

CM-422- 3 credits: Cell Adhesion and Signal Transduction:

CM-423- 3 credits: Molecular Basis of Infectious Diseases:

CM-426- 3 credits: Proteomics and Metabolomics:

CM-427- 3 credits: Molecular Basis of Metabolic Disorders:

CM 454- 8 Credits: Dissertation

Course in-charge- S. Aijaz

Course in-charge- S. K. Dhar / S. Bhattacharjee

Course in-charge- D. Ghosh

Course in-charge- C. K. Mukhopadhyay

Allotted laboratory/ faculty

M.sc. Ist Semester (SES)

ES 101 Remedial Mathematics, KK

ES 102 Remedial Biology, PR + Others

ES 103 Environmental Chemistry, UCK / DM

ES 104 Earth Processes, NSS

ES 105 Ecology, SCG

ES 106 Statistics, AKS

ES 107 Env. Pollution, SY

M.Sc. IIIrd Semester

ES 203 Meteorology, APD

ES 205 Env. Physics, AKS
ES 208 Ground Water Hydrology, NJR
ES 211 Glaciology, ALR
ES 212 Biogeochemistry, ALR
ES 214 Water Resources, SM
ES 219 Metrology, UCK
ES 220 Pollution Biology, KM / PR
ES 226 Ecology and Sustainable Development, KGS
ES 228 Fund. of Mol. Biol. & Biotech., IG + RM

M.Phil Ist Semester

ES 651 Ecosystem Processes, PKJ
ES 652 Earth Processes, NSS
ES 653 Atmospheric Processes, APD
ES 654 Analytical Techniques, PSK / SY + Others
ES 655 Statistical Methods, KK
ES 586 Environmental Management, PSK
ES 661 Remote Sensing Appl. Geosc., SM
ES 693 Engineering Geology, NJR
ES 616 Water Pollution, DM
ES 639 Limnology, JKT
ES 621 Environmental Toxicology, IG
ES 678 Rehabilitation Ecology, KGS

Nano Science:

NS 611 Physics and chemistry of materials, Dr.Satyendra Singh (SS)
NS 612 Synthesis and Characterization of Nano materials, Dr.BalajiBirajdar (BB)
NS 613 Basic Physics for Nanoscience, Prof. Bijoy K. Kuanr (BK)
NS 615 Bio-Nanosciences, Dr. Pratima Solanki (PS)
NS 619 Nanobiotechnology and Nanomedicine, Dr.Tulika Prasad