

Chemical Engineering

Sem – III

Subject - Fluid Flow

NOC: Fluid Flow Operations, IIT Guwahati Prof. Subrata Kumar Majumder

<https://nptel.ac.in/courses/103103147>

NOC: Viscous Fluid Flow, IIT Guwahati Prof. Amaresh Dalal

<https://nptel.ac.in/courses/112103302>

Subject - Process Calculations

NOC: Basic Principles And Calculations In Chemical Engineering, IIT Guwahati Prof. Subrata Kumar Majumder

<https://nptel.ac.in/courses/103103165>

Subject - Chemical Engineering Thermodynamics-I

Chemical Engineering Thermodynamics, IIT Madras Prof. M.S. Ananth

<https://nptel.ac.in/courses/103106070>

NOC: Chemical Engineering Thermodynamics - IITKGP, IIT Kharagpur Prof. Gargi Das

<https://nptel.ac.in/courses/103105127>

NOC: Chemical Engineering Thermodynamics, IIT Kanpur Prof. Jayant K. Singh

<https://nptel.ac.in/courses/103104151>

NOC: Chemical Engineering Thermodynamics, IIT Tirupati Prof. Sasidhar Gumma

<https://nptel.ac.in/courses/103103144>

Subject – Non Conventional Energy Sources

NOC: Non-conventional energy Resources, IIT Madras Prof. Prathap Haridoss

<https://nptel.ac.in/courses/121106014>

Chemical Engineering

Sem – IV

Subject - Chemical Engineering Thermodynamics-II

Chemical Engineering Thermodynamics, IIT Madras Prof. M.S. Ananth

<https://nptel.ac.in/courses/103106070>

NOC: Chemical Engineering Thermodynamics - IITKGP, IIT Kharagpur Prof. Gargi Das

<https://nptel.ac.in/courses/103105127>

NOC: Chemical Engineering Thermodynamics, IIT Kanpur Prof. Jayant K. Singh

<https://nptel.ac.in/courses/103104151>

NOC: Chemical Engineering Thermodynamics, IIT Tirupati Prof. Sasidhar Gumma

<https://nptel.ac.in/courses/103103144>

Subject - Solid Fluid Mechanical Operations

NOC: Fundamentals of Particle and Fluid Solid Processing, IIT Kharagpur Prof. Arnab Atta

<https://nptel.ac.in/courses/103105161>

NOC: Unit operations of particulate matter, IIT Roorkee Prof. Shabina Khanam

<https://nptel.ac.in/courses/103107127>

NOC: Mechanical Unit Operations, IIT Guwahati Prof. Nanda Kishore

<https://nptel.ac.in/courses/103103155>

Subject - Heat Transfer Operations

Heat Transfer, IIT Madras Prof. Dr.C. Balaji

<https://nptel.ac.in/courses/112106315>

NOC: Fundamentals of Heat Transfer, IIT Kharagpur Prof. Somnath Roy

<https://nptel.ac.in/courses/112105771>

NOC: Chemical Engineering Fluid Dynamics and Heat Transfer, IIT Kharagpur Prof. Rabibrata Mukherjee Prof. Arnab Atta

<https://nptel.ac.in/courses/103105218>

NOC: Heat Transfer, IIT Kharagpur Prof. Sunando Dasgupta

<https://nptel.ac.in/courses/103105140>

Heat Transfer, IIT Guwahati Prof. A.K. Ghoshal

<https://nptel.ac.in/courses/103103031>

NOC: Heat Transfer, IIT Bombay Prof. Ganesh Viswanathan

<https://nptel.ac.in/courses/103101137>

Chemical Engineering

Sem – V

Subject - Mass Transfer Operation - I

Mass Transfer Operations I, IIT Guwahati Dr. B. Mandal

<https://nptel.ac.in/courses/103103034>

NOC: Mass Transfer Operations - I, IIT Guwahati Prof. Bishnupada Mandal

<https://nptel.ac.in/courses/103103145>

Mass Transfer II, IIT Kanpur Prof. Nishith Verma

<https://nptel.ac.in/courses/103104046>

NOC: Mass Transfer Operations II, IIT Guwahati Prof. Chandan Das

<https://nptel.ac.in/courses/103103154>

Subject - Heat Transfer Operations

Heat Transfer, IIT Madras Prof. Dr.C. Balaji

<https://nptel.ac.in/courses/112106315>

NOC: Fundamentals of Heat Transfer, IIT Kharagpur Prof. Somnath Roy

<https://nptel.ac.in/courses/112105771>

NOC: Chemical Engineering Fluid Dynamics and Heat Transfer, IIT Kharagpur Prof. Rabibrata Mukherjee Prof. Arnab Atta

<https://nptel.ac.in/courses/103105218>

NOC: Heat Transfer, IIT Kharagpur Prof. Sunando Dasgupta

<https://nptel.ac.in/courses/103105140>

Heat Transfer, IIT Guwahati Prof. A.K. Ghoshal

<https://nptel.ac.in/courses/103103031>

NOC: Heat Transfer, IIT Bombay Prof. Ganesh Viswanathan

<https://nptel.ac.in/courses/103101137>

Subject - Chemical Reaction Engineering – I

Chemical Reaction Engineering, IISc Bangalore Prof. Jayant M Modak

<https://nptel.ac.in/courses/103108097>

NOC: Chemical Reaction Engineering - I, IIT Guwahati Prof. Bishnupada Mandal

<https://nptel.ac.in/courses/103103153>

Chemical Reaction Engineering 1 (Homogeneous Reactors), IIT Madras Prof K. Krishnaiah

<https://nptel.ac.in/courses/103106116>

Chemical Reaction Engineering 2 (Heterogeneous Reactors), IIT Madras Prof K. Krishnaiah

<https://nptel.ac.in/courses/103106117>

NOC: Chemical Reaction Engineering II, IIT Bombay Prof. Ganesh Viswanathan
<https://nptel.ac.in/courses/103101141>

Chemical Reaction Engineering II, IIT Bombay Prof. A.K. Suresh, Prof. Sanjay M. Mahajani, Prof. Ganesh A. Viswanathan
<https://nptel.ac.in/courses/103101008>

Advanced Chemical Reaction Engineering (PG), IIT Bombay Prof. H.S. Shankar
<https://nptel.ac.in/courses/103101001>

Subject - Transport Phenomena

NOC: Transport Phenomena in Materials, IIT Madras Prof. G. Phanikumar
<https://nptel.ac.in/courses/112106237>

Fundamentals of Transport Processes - II, IISc Bangalore Prof. V. Kumaran
<https://nptel.ac.in/courses/103108099>

NOC: Continuum Mechanics and Transport Phenomena, IIT Madras Prof. T. Renganathan
<https://nptel.ac.in/courses/103106159>

NOC: Transport Phenomena, IIT Kharagpur Prof. Sunando Dasgupta
<https://nptel.ac.in/courses/103105128>

NOC: Transport Phenomena of Non-Newtonian Fluids, IIT Guwahati Prof. Nanda Kishore
<https://nptel.ac.in/courses/103103146>

NOC: Transport Phenomena in Biological Systems, IIT Madras Prof. G. K. Suraishkumar
<https://nptel.ac.in/courses/102106083>

Subject - Advanced Material Sciences

Advanced Materials and Processes, IIT Kharagpur Prof. B.S. Murty
<https://nptel.ac.in/courses/113105057>

NOC: Advanced Materials and Processes, IIT Kharagpur Prof. Jayanta Das
<https://nptel.ac.in/courses/113105081>

Subject - Total Quality Management

NOC: Total Quality Management - I, IIT Kanpur Prof. Raghu Nandan Sengupta
<https://nptel.ac.in/courses/110104080>

NOC: Total Quality Management - II, IIT Kanpur Prof. Raghunandan Sengupta
<https://nptel.ac.in/courses/110104085>

Chemical Engineering

Sem – VI

Subject - Mass Transfer Operation -II

Mass Transfer II, IIT Kanpur Prof. Nishith Verma

<https://nptel.ac.in/courses/103104046>

NOC: Mass Transfer Operations II, IIT Guwahati Prof. Chandan Das

<https://nptel.ac.in/courses/103103154>

Subject - Chemical Reaction Engineering -II

Chemical Reaction Engineering 2 (Heterogeneous Reactors), IIT Madras Prof K. Krishnaiah

<https://nptel.ac.in/courses/103106117>

NOC: Chemical Reaction Engineering II, IIT Bombay Prof. Ganesh Viswanathan

<https://nptel.ac.in/courses/103101141>

Chemical Reaction Engineering II, IIT Bombay Prof. A.K. Suresh, Prof. Sanjay M. Mahajani, Prof. Ganesh A. Viswanathan

Subject - Pollution Control Technology

NOC: Electrochemical Technology in Pollution Control, IISc Bangalore Prof. J. R. Mudakavi

<https://nptel.ac.in/courses/103108162>

Subject - Process Engineering And Economics

Process Design Decisions and Project Economics, IIT Guwahati Dr. Vijay S. Moholkar

<https://nptel.ac.in/courses/103103039>

NOC: Process Control - Design, Analysis and Assessment, IIT Madras Prof. Ragunathan Rengasamy

<https://nptel.ac.in/courses/103106148>

NOC: Principles and Practices of Process Equipment and Plant Design, IIT Kharagpur Prof. Gargi Das, Prof. S Ray

<https://nptel.ac.in/courses/103105210>

Subject - Polymer Technology

Science and Technology of Polymers, IIT Kharagpur Prof. B. Adhikari

<https://nptel.ac.in/courses/113105028>

NOC: Polymer Reaction Engineering, IIT Roorkee Prof. Shishir Sinha

<https://nptel.ac.in/courses/103107206>

NOC: Principles of Polymer Synthesis, IIT Kharagpur Prof. Rajat K Das

<https://nptel.ac.in/courses/113105077>

NOC: Introduction to Polymer Science, IIT Kharagpur Prof. Dibakar Dhara

<https://nptel.ac.in/courses/104105124>

NOC: Introduction to Polymer Physics, IIT Roorkee Prof. Prateek Kumar Jha

<https://nptel.ac.in/courses/103107139>

NOC: Polymer Process Engineering, IIT Roorkee Prof. Shishir Sinha

<https://nptel.ac.in/courses/103107221>

Chemical Engineering

Sem – VII

Subject - Instrumentation Process Dynamics And Control

NOC: Chemical Process Instrumentation, IIT Kharagpur Prof. Debasis Sarkar
<https://nptel.ac.in/courses/103105130>

Process Control and Instrumentation, IIT Kharagpur Dr. D. Sarkar, Dr. A.K. Jana
<https://nptel.ac.in/courses/103105064>

Subject - Chemical Engineering Equipment Design

NOC: Equipment Design: Mechanical Aspects, IIT Roorkee Prof. Shabina Khanam
<https://nptel.ac.in/courses/103107143>

NOC: Process Equipment Design, IIT Roorkee Prof. Shabina Khanam
<https://nptel.ac.in/courses/103107207>

Subject - Corrosion Engineering

NOC: Corrosion - Part II, IIT Kanpur Prof. Kallol Mondal
<https://nptel.ac.in/courses/113104089>

NOC: Corrosion - Part I, IIT Kanpur Prof. Kallol Mondal
<https://nptel.ac.in/courses/113104082>

Subject - Fundamentals Of Colloids And Interface Science And Technology

NOC: Colloids and Surfaces, IIT Madras Prof. Basavaraj Madivala Gurappa
<https://nptel.ac.in/courses/105106204>

Subject - Chemical Plant Safety And Hazards

NOC: Chemical Process Safety, IIT Roorkee Prof. Shishir Sinha
<https://nptel.ac.in/courses/103107156>

Subject - Reliability Engineering

NOC: Introduction to Reliability Engineering Prof. Neeraj Kumar Goyal IIT Kharagpur -
<https://nptel.ac.in/courses/127105234>

NOC: Statistical learning for Reliability Analysis Prof. Monalisa Sarma IIT Kharagpur -
<https://nptel.ac.in/courses/106105239>

Subject - Management Information System

NOC: Management Information System Prof. Kunal Kanti Ghosh, Prof. Saini Das, Prof. Surojit Mukherjee IIT Kharagpur -
<https://nptel.ac.in/courses/110105148>

Management Information System Prof. Biswajit Mahanty IIT Kharagpur -
<https://nptel.ac.in/courses/122105022>

Subject - Design Of Experiments

NOC:Design and Analysis of Experiments Prof. Jhareswar Maiti IIT Kharagpur -
<https://nptel.ac.in/courses/110105087>

Subject - Operation Research

NOC:Introduction to Operations Research Prof. G. Srinivasan IIT Madras -
<https://nptel.ac.in/courses/110106062>

Advanced Operations Research Prof. G. Srinivasan IIT Madras -
<https://nptel.ac.in/courses/110106062>

Fundamentals of Operations Research Prof. G. Srinivasan IIT Madras -
<https://nptel.ac.in/courses/112106134>

Subject - Cyber Security & Laws

NOC: Cyber Security and Privacy, IIT Madras Prof. Saji K Mathew
<https://nptel.ac.in/courses/106106248>

NOC: Internet Crimes and Cyber Security, NALSAR University of Law Prof. K.V.K. Santhy Prof. B Md Irfan
<https://nptel.ac.in/courses/129106894>

NOC:Foundations of Cyber Physical Systems Prof. Soumyajit Dey IIT Kharagpur -
<https://nptel.ac.in/courses/106105241>

Chemical Engineering

Sem – VIII

Subject - Modelling Simulation And Optimization

NOC: Optimization in Chemical Engineering, IIT Kharagpur Prof. Debasis Sarkar
<https://nptel.ac.in/courses/103105139>

NOC: Mathematical Modelling and Simulation of Chemical Engineering Process, IIT Kharagpur Prof. Sourav Mondal
<https://nptel.ac.in/courses/103105215>

NOC: Introduction To Process Modeling In The Membrane Separation Process, IIT Kharagpur Prof. Sirshendu De
<https://nptel.ac.in/courses/103105121>

Subject - Energy System Design

NOC: Process Equipment Design, IIT Roorkee Prof. Shabina Khanam
<https://nptel.ac.in/courses/103107207>

NOC: Process Control - Design, Analysis and Assessment, IIT Madras Prof. Rangunathan Rengasamy
<https://nptel.ac.in/courses/103106148>

Subject - Advanced Separation Technology

NOC: Introduction To Process Modeling In The Membrane Separation Process, IIT Kharagpur Prof. Sirshendu De
<https://nptel.ac.in/courses/103105121>

Novel Separation Processes, IIT Kharagpur Prof. S. De
<https://nptel.ac.in/courses/103105061>

Subject – Nanotechnology

NOC: Soft Nano Technology, IIT Kharagpur Prof. Rabibrata Mukherjee
<https://nptel.ac.in/courses/103105122>

NOC: Nanotechnology, Science and Applications, IIT Madras Prof. Prathap Haridoss
<https://nptel.ac.in/courses/113106093>

NOC: Biomedical Nanotechnology, IIT Roorkee Prof. P. Gopinath
<https://nptel.ac.in/courses/102107058>

Subject - Chemical Waste Management

NOC: Biological process design for wastewater treatment, IIT Roorkee Prof. Vimal Chandra Srivastava
<https://nptel.ac.in/courses/103107217>

NOC: Physico-chemical processes for wastewater treatment, IIT Roorkee Prof. Vimal Chandra Srivastava

<https://nptel.ac.in/courses/103107212>

Subject - Project Management

Project and Production Management Prof. Arun Kanda IIT Delhi -

<https://nptel.ac.in/courses/112102106>

Subject - Entrepreneurship Development & Management

NOC:Entrepreneurship Prof. C Bhaktavatsala Rao IIT Madras -

<https://nptel.ac.in/courses/110106141>

NOC:Innovation, Business Models and Entrepreneurship Prof. Vinay Sharma Prof. Rajat Agrawal IIT Roorkee -

<https://nptel.ac.in/courses/110107094>

Economics / Management / Entrepreneurship Prof. P.K.J. Mohapatra IIT Kharagpur -

<https://nptel.ac.in/courses/110105067>

Subject - Human Resource Management

NOC:Advances in Strategic Human Resource Management Prof. Ashish Pandey IIT Bombay -

<https://nptel.ac.in/courses/110101164>

NOC:Principles of Human Resource Management Prof. A Malik IIT Kharagpur -

<https://nptel.ac.in/courses/110105069>

Human Resource Management-I, IIT Kharagpur Prof. Kalyan Chakravarti

<https://nptel.ac.in/courses/122105020>

Subject - Research Methodology

NOC: Research Methodology, IIT Madras Prof. Edamana Prasad, Prof. Prathap Haridoss

<https://nptel.ac.in/courses/121106007>

Subject – IPR & Patenting

NOC: Intellectual Property Rights and Competition Law, IIT Kharagpur Prof. K. D. Raju, Prof. Niharika Sahoo Bhattacharya

<https://nptel.ac.in/courses/110105139>

NOC:Intellectual Property Prof. Feroze Ali IIT Madras -

<https://nptel.ac.in/courses/109106137>

NOC:Introduction on Intellectual Property to Engineers and Technologists Prof. Tapas Kumar Bandyopadhyay IIT Kharagpur -

<https://nptel.ac.in/courses/109105112>

Subject - Digital Business Management

NOC:The Future of Manufacturing Business: Role of Digital Technologies Prof. R. K. Amit Prof. U. Chandrasekhar IIT Madras -

<https://nptel.ac.in/courses/110106146>