



MECHANICAL ENGINEERING

List of courses

Semester 1

Course	Course Type	Course Coordinators
Engineering Chemistry I	Web	Prof. B. L. Tembe Prof. K. Mangala Sunder
Engineering Chemistry I	Video	Prof. K. Mangala Sunder
Engineering Physics I (Theory)	Web	Prof. Alikha Khare Prof. Pratima Agarwal Prof. S. Ravi
Engineering Physics I (Experiment)	Web	Prof. Alikha Khare Prof. Pratima Agarwal Prof. S. Ravi
Physics I - Oscillations & Waves	Video	Prof. S. Bharadwaj
Engineering Physics I	Video	Prof. K. L. Yadav Prof. Jagdish Rai Prof. Ishwar Singh Prof. G. D. Verma
Mathematics I	Web	Prof. Inder K. Rana
Mathematics I	Video	Prof. Swagato K. Ray Prof. Shobha Madan Prof. P. Shunmugaraj
Engineering Mechanics	Web	Prof. Manoj K. Harbola
Engineering Mechanics	Web	Prof. U. S. Dixit
Engineering Mechanics	Video	Prof. Manoj K. Harbola
Engineering Mechanics	Video	Prof. U. S. Dixit
Basic Electrical Technology	Web	Prof. G. D. Roy Prof. N. K. De Prof. T. K. Bhattacharya
Basic Electrical Technology	Video	Prof. L. Umanand

Semester 2

Course	Course Type	Course Coordinators
Environment and Ecology	Web	Prof. Anuradha Sharma Prof. V. B. Upadhyay
Environmental Chemistry and Analysis	Web	Prof. M. S. Subramanian
Engineering Physics II	Web	Prof. D. K. Ghosh
Engineering Physics II	Video	Prof. V. Ravishankar Prof. S. Raychaudhuri
Mathematics II	Web	Prof. P. Chandra Prof. A. K. Lal Prof. V. Raghavendra Prof. G. Santhanam
Mathematics II	Video	Prof. Sunita Gakhar Prof. H. G. Sharma Prof. Tanuja Srivastava
Basic Thermodynamics	Web	Prof. K. Srinivasan Prof. Pradip Dutta
Basic Electronics	Web	Prof. Y. N. Singh Prof. Joesph John
Basic Electronics	Web	Prof. Pramod Agarwal
Basic Electronics	Video	Prof. Chitralekha Mahanta
Basic Electronics and Lab	Web	Prof. T. S. Natarajan
Basic Electronics and Lab	Video	Prof. T. S. Natarajan

Semester 3

Course	Course Type	Course Coordinators
Numerical Analysis in Computer Programming	Web	Prof. Rathish Kumar Prof. V. Raghavendra Prof. M. K. Kadalbajoo Prof. P. B. Sunil Kumar (IITM)
Numerical Analysis and Computer Programming	Video	Prof. P. B. Sunil Kumar
Materials Science	Web	Prof. Satish V. Kailas
Material Science	Video	Prof. S. K. Gupta
Strength of Materials	Web	Prof. V. K. Goel Prof. S. C. Sharma Prof. B. K. Mishra
Strength of Materials	Video	Prof. V. K. Goel Prof. S. C. Sharma Prof. B. K. Mishra

Fluid Mechanics	Web	Prof. Gautam Biswas Prof. S. K. Som (IITKgp)
Fluid Mechanics	Video	Prof. Sanjay Mittal Prof. Srivastava
Finite Element Method	Web	Prof. P. M. Dixit
Applied Thermodynamics	Web	Prof. T. Sundararajan Prof. U. S. Premananda Shet Prof. J. M. Mallikarjuna
Applied Thermodynamics	Web	Prof. T. Sundararajan Prof. U. S. Premananda Shet Prof. J. M. Mallikarjuna
Mathematics III	Web	Prof. M. Guru Prem Prasad Prof. Durga C. Dalal
Mathematics III	Video	Prof. P. N. Agrawal Prof. Tanuja Srivastava

Semester 4

Course	Course Type	Course Coordinators
Mechanical Measurements and Metrology	Web	Prof. S. P. Venkateshan Prof. M. S. Shanmugam
Mechanical Measurements and Metrology	Video	Prof. S. P. Venkateshan Prof. M. S. Shanmugam
Industrial Engineering	Web	Prof. Pradeep Kumar Prof. H. S. Shan Prof. P. K. Jain
Industrial Engineering	Video	Prof. Pradeep Kumar Prof. H. S. Shan Prof. P. K. Jain
Advance Strength of Materials	Web	Prof. V. K. Goel Prof. S. C. Sharma Prof. B. K. Mishra
Advanced Strength of Materials	Video	Prof. S. K. Maiti
Kinematics	Web	Prof. Sudipto Mukherjee Prof. A .K. Mallik (IITK)
Kinematics	Video	Prof. Sudipto Mukherjee Prof. A .K. Mallik (IITK)
Kinematics of Machines	Video	Prof. Ashok K. Mallik
Manufacturing Processes I	Web	Prof. H. S. Shan Prof. S. R. Gupta Prof. Pradeep Kumar
Manufacturing Processes I	Video	Prof. H. S. Shan(retired) Prof. S. R. Gupta Prof. Pradeep Kumar

Semester 5

Course	Course Type	Course Coordinators
Management Science I	Web	Prof. M. Thenmozhi
Management Science II	Web	Prof. R. Madhumathi
Design of Machine Elements I	Web	Prof. S. K. Roychowdhury Prof. B. Maiti Prof. G. Chakraborty
Design of Machine Elements I	Video	Prof. S. K. Roychowdhury Prof. B. Maiti Prof. G. Chakraborty
Dynamics of Machines	Web	Prof. P. Seshu Prof. K. Kurien Isaac Prof. C. Amarnath
Dynamics of Machines	Video	Prof. Amitabha Ghosh
Manufacturing Processes II	Web	Prof. A. K. Chattopadhyay Prof. A. B. Chattopadhyay Prof. S. Paul
Manufacturing Processes II	Video	Prof. A. K. Chattopadhyay Prof. A. B. Chattopadhyay Prof. S. Paul
Heat and Mass Transfer	Web	Prof. Pradip Dutta
Heat and Mass Transfer	Video	Prof. U. N. Gaitonde Prof. S. V. Prabhu

Semester 6

Course	Course Type	Course Coordinators
Project and Production Management	Web	Prof. Arun Kanda Prof. S. G. Deshmukh
Project and Production Management	Video	Prof. Arun Kanda
Machine Design II	Web	Prof. K. Gopinath Prof. M. M. Mayuram
Machine Design II	Video	Prof. K. Gopinath Prof. M. M. Mayuram
Fluid Machinery	Web	Prof. Gautam Biswas Prof. S. Sarkar Prof. S. K. Som (IITKgp)
Fluid Machinery	Web	Prof. Anoop K. Dass
Refrigeration and Air Conditioning	Web	Prof. M. Ramgopal
Refrigeration and Air Conditioning	Video	Prof. R. C. Arora Prof. M. Ramgopal

Semester 7

Course	Course Type	Course Coordinators
Computer Aided Design and Manufacturing I	Web	Prof. Anoop Chawla
Computer Aided Design and Manufacturing II	Web	Prof. P. V. Madhusudan Rao
Computer Aided Design and Manufacturing	Video	Prof. Anoop Chawla Prof. P. V. Madhusudan Rao
Robotics	Web	Prof. C. Amarnath Prof. B. Seth Prof. K. Kurien Issac Prof. P. S. Gandhi Prof. P. Seshu
Robotics	Video	Prof. C. Amarnath Prof. B. Seth Prof. K. Kurien Issac Prof. P. S. Gandhi Prof. P. Seshu
Manufacturing Processes I	Web	Prof. H. S. Shan Prof. S. R. Gupta Prof. Pradeep Kumar

Semester 8 / Electives

Course	Course Type	Course Coordinators
Computer Aided Design and Manufacturing I	Web	Prof. Anoop Chawla
Computer Aided Design and Manufacturing II	Web	Prof. P. V. Madhusudan Rao
Computer Aided Design and Manufacturing	Video	Prof. Anoop Chawla Prof. P. V. Madhusudan Rao
Robotics	Web	Prof. C. Amarnath Prof. B. Seth Prof. K. Kurien Issac Prof. P. S. Gandhi Prof. P. Seshu
Robotics	Video	Prof. C. Amarnath Prof. B. Seth Prof. K. Kurien Issac Prof. P. S. Gandhi Prof. P. Seshu
Manufacturing Processes I	Web	Prof. H. S. Shan Prof. S. R. Gupta Prof. Pradeep Kumar