

# **B.E Mechanical Engineering 2nd Year**

## **Syllabus Anna University Regulation 2021**

### **Semester – III Theory Subjects**

- **MA3351 - Transforms and Partial Differential Equations**
- **ME3351 - Engineering Mechanics**
- **ME3391 - Engineering Thermodynamics**
- **CE3391 - Fluid Mechanics and Machinery**
- **ME3392 - Engineering Materials and Metallurgy**
- **ME3393 - Manufacturing Processes**

### **Semester – III Practical Subjects**

- **ME3381 - Computer Aided Machine Drawing**
- **ME3382 - Manufacturing Technology Laboratory**
- **GE3361 - Professional Development**

### **Semester – IV Theory Subjects**

- **ME3491 - Theory of Machines**
- **ME3451 - Thermal Engineering**
- **ME3492 - Hydraulics and Pneumatics**
- **ME3493 - Manufacturing Technology**
- **CE3491 - Strength of Materials**
- **GE3451 - Environmental Sciences and Sustainability**

### **Semester – IV Practical Subjects**

- **CE3481 - Strength of Materials and Fluid Machinery Laboratory**
- **ME3461 - Thermal Engineering Laboratory**



# Mechanical Engineering 2nd Year Syllabus Ucter

**DP Hallahan**



## **Mechanical Engineering 2nd Year Syllabus Ubtter:**

*Introduction to Mechanical Engineering* Michael Clifford, 2024-11-26 *Introduction to Mechanical Engineering Part 2* is the essential text for all second year undergraduate students as well as those studying foundation degrees and Higher National Diplomas Written by an experienced team of lecturers at the internationally renowned University of Nottingham the text provides thorough coverage of the following core engineering topics fully updated for the Second Edition Fluid dynamics Thermodynamics Solid mechanics Electromechanical drive systems Feedback and control theory Structural vibration As well as mechanical engineers the text will be highly relevant to automotive aeronautical aerospace and general engineering students All units include questions with Units 4 and 5 including enhanced detailed solutions online as a bonus feature

*Mechanical Engineering* Universitat Tel-Aviv, 1905 *Elements of Mechanical Engineering (PTU)* Sadhu Singh, 2009 The present book on Elements of Mechanical Engineering is meant for the engineering students of all branches at their first year level It covers the new syllabus of panjab Technical University Jalandhar However it shall be useful to students of other Universities also The book covers the basic principles of Thermodynamics zeroth law of Thermodynamics and the concept of temperature in the first chapter **Mechanical Engineering Science. A Second Year Course, Etc**, 1951 **An**

**Introduction to Mechanical Engineering** Michael Clifford, 2017-10-06 *An Introduction to Mechanical Engineering Part 2* is an essential text for all second year undergraduate students as well as those studying foundation degrees and HNDs The text provides thorough coverage of the following core engineering topics Fluid dynamics Thermodynamics Solid mechanics Control theory and techniques Mechanical power loads and transmissions Structural vibration As well as mechanical engineers the text will be highly relevant to automotive aeronautical aerospace and general engineering students The material in this book has full student and lecturer support on an accompanying website at <http://www.cw.tandf.co.uk/mechanicalengineering> which includes worked solutions for exam style questions multiple choice self assessment revision material The text is written by an experienced team of lecturers at the internationally renowned University of Nottingham

*Elements of Mechanical Engineering ...* R. C. Patel, 1962 *Elements of Mechanical Engineering (GTU)* Sadhu Singh, 2010 The book strictly complies with the new syllabus of Gujrat Technological University Ahmedabad for B E First year of all braches of Engineering The subject matter is presented in a graded stepwise easytofollow style Each chapter includes MulipleChoice Questions Review Questions and Exercises for easy recapitulation **Handbook of Mechanical**

**Engineering, 2nd Edition** Sadhu Singh, 2011 *Handbook of Mechanical Engineering* is a comprehensive text for the students of B E B Tech and the candidates preparing for various competitive examination like IES IFS GATE State Services and competitive tests conducted by public and private sector organization for selecting apprentice engineers [An introduction to mechanical engineering](#), *Mechanical Engineering Science ; a Second Year Course* Arthur Morley, Edward Hughes, 1962 **Mechanical Engineering Science for National Certificate Vol 2** John Dyson Walker, 1950

**Mechanical Engineering Science for National Certificate. Vol. 2** John Dyson Walker,1950      **Basic Mechanical Engineering** Sadhu Singh,2009 This textbook for the first year students of all branches of Rajiv Gandhi Proudyogiki Vishwavidyalaya RGPV Bhopal M P It has been strictly according to the new syllabus of RGPV The subject matter has been explained clearly and precisely in the simplest way Salient features are 250 Solved ExamplesA number of exercises at the end of every chapter Multi Choice      Mechanical engineering ,1999-01      **Mechanical Engineering Science** John Dyson Walker,1950      *Elements of Mechanical Engineering* R.K. Tyagi,R.S. Pandey,2008-08-01 Elements of Mechanical Engineering occupy a prominent position of understanding over view of mechanical engineering It consists of three units which are basic principals of thermodynamics basic manufacturing process simple stress and strain Throughout the book S I units have been followed Basic principle has been explained in detail by using solved problems Several unsolved problems tutorial sheets objective questions have been provided at the end of each chapter for practice This book is intended to serve as a textbook for the course of B Tech 1st and 2nd semester for the students of Amity University who find difficulties for finding syllabus of Amity University in a single book and is written in SI system Each chapter of the book is written in a simple and logical way and explaining theory with the help of examples      **Basic Mechanical Engineering** Mohan Sen,2006      **Advanced Concepts in Mechanical Engineering II** Ioan Doroftei,Cezar Opreșan,Aristotel Popescu,2014-10-01 Selected peer reviewed papers from a collection of papers from the 6th International Conference on Advanced Concepts in Mechanical Engineering ACME 2014 June 12 13 2014 Iasi Romania      **Elements of Mechanical Engineering; with Numerous Illus., Worked Examples, and Practice Examples with Answers** R. C. Patel,C. J. Karamchandani,1962      Mechanical Engineering Science J.D. Walker,1950

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