



Subject Committee Heads and Their Role

The following Subject Areas Committees are constituted to check thoroughly course folders of the relevant Subject Area and provide input on shortcomings (if any) to them for improvement in the Course.

A. Thermo-Fluids

1. Dr. M. Ali Kamran (Committee Head)
2. Dr. M. Alam Zaib Khan (Member)
3. Dr. Arshad Mehmood (Member)

B. Design and Materials

1. Prof. Dr. Afzal Khan (Committee Head)
2. Dr. Fakhre Alam (Member)
3. Engr. Adnan Rashid (Member)

C. Manufacturing and Management

1. Prof. Dr. Abdul Shakoor (Committee Head)
2. Dr. Ahmad Nawaz (Member)
3. Engr. Qazi M. Yaseen (Member)

D. Dynamics and Control

1. Dr. Shaukat Ali Shah (Committee Head)
2. Dr. Naveed Ullah (Member)
3. Dr. Zeeshan Zahir (Member)

E. Basic Science Group

1. Dr. Karim Akhtar (Committee Head)
2. Engr. Fazle Yazdan (Member)
3. Engr. Usman Khan (Member)

List of Courses for Each Subject Area

A. Thermo-Fluids

- 1) Thermodynamics I, II
- 2) Fluid Mechanics I, II
- 3) Power Plants I, II
- 4) Heat and Mass Transfer
- 5) Heating, ventilating & Air Conditioning
- 6) Relevant Lab Courses

B. Design and Materials

- 1) Engineering Drawing and Graphics
- 2) CAD I, II
- 3) Engineering Metallurgy
- 4) Mechanics of Materials I, II
- 5) Engineering Materials
- 6) Design of Machine Elements I, II
- 7) Relevant Lab Courses

C. Manufacturing and Management

- 1) Workshop Practice
- 2) Quality Engineering
- 3) Manufacturing Processes
- 4) Ethics & Legal Dimensions of Engineering
- 5) Engineering Economics
- 6) Production Automation
- 7) Industrial Health and Safety
- 8) Entrepreneurship
- 9) Industrial Management
- 10) Relevant Lab Courses

D. Dynamics and Control

- 1) Basic Electrical & Electronics Engineering
- 2) Computer Programming for Mechanical Engineering
- 3) Mechanics of Machines & Vibrations
- 4) Engineering Statics
- 5) Engineering Dynamics
- 6) Introduction to Mechatronics
- 7) Measurement & Instrumentation
- 8) Control Engineering
- 9) Relevant Lab Courses

E. Basic Science Group

- 1) Islamic Studies
- 2) Pakistan Studies
- 3) English Composition & Comprehension
- 4) Communication and Presentation Skills
- 5) Calculus
- 6) Differential Equations
- 7) Linear Algebra
- 8) Probability & Statistics
- 9) Numerical Analysis
- 10) Technical Report Writing

SOPs for Course Folders Submission and Inspection

1. By the deadline announced, Course Instructor will submit his/her Course Folder, complete in all respect, to the Committee Head of the relevant Subject Area.
2. Committee Head will call a meeting of the committee in which the members of the committee will thoroughly check the Course Folder of each individual Course Instructor of the Subject Area, as per the check list provided.
3. The Committee members will give input on shortcomings (if any) to him/her for improvement in the Course Folder.
4. The Course Instructor will incorporate the input provided by the Committee.
5. The Committee will sign “Subject Committee Course Review Form”.
6. Each Subject Committee Head will write a consolidated report as an overall input on all the Course Folders belonging to his Subject Area.
7. The consolidated reports from all the Subject Committee Heads will be forwarded to the OBE Committee.
8. The OBE Committee will review the consolidated reports and make recommendations to the Chairman for improvement, if any.