



ANKARA YILDIRIM BEYAZIT UNIVERSITY
FACULTY OF ENGINEERING AND NATURAL SCIENCES
MECHANICAL ENGINEERING DEPARTMENT
MCE 404 - MACHINERY LABORATORY II
2018 - 2019 SPRING SEMESTER
GROUPS AND DATES



Table 1. Experiments, Relevant Instructors, Teaching Assistants, and Places.

| Order | Name of the Experiment | Relevant Instructor | Teaching Assistant | Place |
|-------|---|---|--------------------------------|------------------|
| 1 | Mechanical Measurements Experiment | Assoc. Prof. Dr. Mostafa RANJBAR | R. Assist. Mahmut Cihat YILMAZ | DB 425 |
| 2 | Cooling System Fault Detection Experiment | Prof. Dr. Erol ARCAKLIOĞLU Assist. Prof. Dr. Hasan ÖZCAN | R. Assist. Aysun GÜVEN | AB 317 |
| 3 | Fatigue Experiment | Prof. Dr. Adem ÇİÇEK | R. Assist. Necati UÇAK | DB 425 |
| 4 | Metallography Experiment | Prof. Dr. Veli ÇELİK Assist. Prof. Dr. Yasin SARIKAVAK | R. Assist. Polat KURT | DB 416 DB 417 |
| 5 | Hydraulic Training Set Experiment | Assist. Prof. Dr. İhsan TOKTAŞ | R. Assist. Halil YILDIRIM | DB 426 |
| 6 | Air Conditioning Experiment | Assist. Prof. Dr. Kemal BİLEN | R. Assist. Ahmet Yasin SEDEF | AB 317 |
| 7 | Francis Turbine Experiment | Prof. Dr. Ünal ÇAMDALI | R. Assist. İbrahim TÜRKMEN | AB 317 |
| 8 | Serial and Parallel Pumps Experiment | Assist. Prof. Dr. Orhan ÖZÇELİK | R. Assist. Gürcan TIRYAKI | AB 317 |
| 9 | Three-point Bending Experiment | Prof. Dr. Fahrettin ÖZTÜRK Assist. Prof. Dr. Fatih GÖNCÜ | R. Assist. Oğuzhan MÜLKOĞLU | BB 408 |
| 10 | Water Level Control Experiment | Prof. Dr. Mehmet SUNAR Assoc. Prof. Dr. Arif ANKARALI | R. Assist. Orçun BİÇER | DB 426 |

Table 2. Groups by student numbers.

| Order | 1 st Group Student IDs | 2 nd Group Student IDs | 3 rd Group Student IDs | 4 th Group Student IDs | 5 th Group Student IDs |
|-------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 1 | 1105031013 | 14050311001 | 1305031009 | 1305031020 | 14050311035 |
| 2 | 1205031029 | 14050311003 | 14050311017 | 1305031029 | 16050351001 |
| 3 | 1205031030 | 14050311004 | 14050311018 | 1305031038 | 1205032034 |
| 4 | 1205031031 | 14050311005 | 14050311022 | 14050311041 | 1205032036 |
| 5 | 1205031036 | 14050311006 | 14050311023 | 14050311043 | 1305032013 |
| 6 | 1205031044 | 14050311007 | 14050311024 | 14050311044 | 1305032021 |
| 7 | 1305031014 | 14050311009 | 14050311025 | 14050311045 | 1305032023 |
| 8 | 1305031026 | 14050311010 | 14050311026 | 14050311046 | 1305032024 |
| 9 | 1305031041 | 14050311011 | 14050311031 | 14050311047 | 1305032038 |
| 10 | 1305031044 | 14050311013 | 14050311032 | 14050341006 | 13050362001 |
| 11 | 1305031046 | 14050311015 | 14050311033 | 15050311018 | 13050362003 |
| 12 | 1305031047 | 14050311016 | 14050311039 | 15050341002 | - |

Table 3. Experiment group weeks.

| Group No | 1 st Exp. | 2 nd Exp. | 3 rd Exp. | 4 th Exp. | 5 th Exp. | 6 th Exp. | 7 th Exp. | 8 th Exp. | 9 th Exp. | 10 th Exp. |
|----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Group 1 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 10 | Week 11 | Week 12 | Week 13 |
| Group 2 | Week 4 | Week 5 | Week 6 | Week 7 | Week 3 | Week 10 | Week 11 | Week 12 | Week 13 | Week 8 |
| Group 3 | Week 5 | Week 6 | Week 7 | Week 3 | Week 4 | Week 11 | Week 12 | Week 13 | Week 8 | Week 10 |
| Group 4 | Week 6 | Week 7 | Week 3 | Week 4 | Week 5 | Week 12 | Week 13 | Week 8 | Week 10 | Week 11 |
| Group 5 | Week 7 | Week 3 | Week 4 | Week 5 | Week 6 | Week 13 | Week 8 | Week 10 | Week 11 | Week 12 |

Table 4. Experiment time schedule

| | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|---------|
| 1st Exp. | 08:30 10:30 | 10:30 12:30 | 13:30 15:30 | 15:30 17:30 | 17:30 19:30 | - | MID-TERM EXAM | - | - | - | - | - |
| 2nd Exp. | 10:30 12:30 | 13:30 15:30 | 15:30 17:30 | 17:30 19:30 | 08:30 10:30 | - | | - | - | - | - | - |
| 3rd Exp. | 13:30 15:30 | 15:30 17:30 | 08:30 10:30 | 08:30 10:30 | 10:30 12:30 | - | | - | - | - | - | - |
| 4th Exp. | 15:30 17:30 | 17:30 19:30 | 15:30 17:30 | 13:30 15:30 | 13:30 15:30 | - | | - | - | - | - | - |
| 5th Exp. | 17:30 19:30 | 10:30 12:30 | 10:30 12:30 | 13:30 15:30 | 15:30 17:30 | - | | - | - | - | - | - |
| 6th Exp. | - | - | - | - | - | 08:30 10:30 | | 10:30 12:30 | 13:30 15:30 | 15:30 17:30 | 17:30 19:30 | - |
| 7th Exp. | - | - | - | - | - | 10:30 12:30 | | 08:30 10:30 | 10:30 12:30 | 08:30 10:30 | 10:30 12:30 | - |
| 8th Exp. | - | - | - | - | - | 13:30 15:30 | | 15:30 17:30 | 17:30 19:30 | 10:30 12:30 | 13:30 15:30 | - |
| 9th Exp. | - | - | - | - | - | 15:30 17:30 | | 17:30 19:30 | 08:30 10:30 | 13:30 15:30 | 10:30 12:30 | - |
| 10th Exp. | - | - | - | - | - | 17:30 19:30 | | 13:30 15:30 | 15:30 17:30 | 10:30 12:30 | 13:30 15:30 | - |

COURSE POLICY

1. There will be a midterm exam grade (25%), laboratory reports grade (25%), and a final exam grade (50%) within the scope of the course. Exams dates will be announced by the department.
2. To fulfill the course; at least 80% of laboratory attendance and submitting the reports of attended labs are compulsory. Average report grade is calculated over 10 labs.
3. The students who are repeating the course without attendance obligation do not have to attend the experiments, they can attend only exams. In this case, their midterm grade will have an effect of 50%.
4. For other regulations of the course, please see Chapter 1.3 “General Regulations about the Course” in the Laboratory Manual.
5. The updated Laboratory Manual of this semester can be obtained from the Department’s website.
6. For more information about the experiments, you can contact relevant assistant. For general information about the course, you can also contact Assist. Prof. Dr. Yasin SARIKAVAK.

Prof. Dr. Sadettin ORHAN
Head of the Mechanical Engineering
Department

Note: The Laboratory Manuel can be obtained from the Department's website.