



ANKARA YILDIRIM BEYAZIT UNIVERSITY
FACULTY OF ENGINEERING AND NATURAL SCIENCES
MECHANICAL ENGINEERING DEPARTMENT
MCE 403 - MACHINERY LABORATORY I
2025 - 2026 FALL SEMESTER
GROUPS AND DATES



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

| Order | Name of the Experiment | Relevant Instructor | Teaching Assistant | Place |
|-------|---|---|-------------------------------|--------|
| 1 | Strain Measurement Experiment | Assoc. Prof. Dr. Barış KALAYCIOĞLU Assist. Prof. Dr. Tolga ÖZASLAN | R. Assist. Eda Nur İRİS | DB 425 |
| 2 | Bernoulli Experiment | Prof. Dr. Kamil ARSLAN | R. Assist. Alperen ÇANKAYA | AB 317 |
| 3 | Tensile Test Experiment | Assist. Prof. Dr. Yasin SARIKAVAK Assist. Prof. Dr. Mete BAKIR | R. Assist. Enes Furkan ARSLAN | BZ 22 |
| 4 | Heat Conduction Experiment | Assoc. Prof. Dr. Hasan ÖZCAN Assoc. Prof. Dr. Selahattin ÇELİK | R. Assist. Sefa ŞAHİN | AB 317 |
| 5 | Charpy Impact Experiment | Assoc. Prof. Dr. Barış KALAYCIOĞLU | R. Assist. Dr. Halil YILDIRIM | DB 425 |
| 6 | Heat Convection Experiment | Prof. Dr. Sadettin ORHAN | R. Assist. Furkan ÇETİNER | AB 317 |
| 7 | Hardness Measurement Experiment | Prof. Dr. Adem ÇİÇEK | R. Assist. Mustafa YILDIZ | BB 417 |
| 8 | Fluid Machinery and Pelton Turbine Experiment | Prof. Dr. Ahmet PINARBAŞI | R. Assist. Ahmed Emin KILIÇ | AB 317 |
| 9 | Mechanical Vibrations Experiment | Prof. Dr. Sadettin ORHAN Prof. Dr. Veli ÇELİK | (Will be announced later) | CB 414 |
| 10 | Heat Radiation Experiment | Assist. Prof. Dr. Kemal BİLEN | (Will be announced later) | AB 317 |

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 |
|-------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 1 | 18050511028 | 21050511011 | 21050511042 | 22050541007 |
| 2 | 19050511018 | 21050511014 | 21050511044 | 21050541001 |
| 3 | 22050571006 | 21050511015 | 21050511045 | 20050541019 |
| 4 | 20050511021 | 21050511016 | 21050511047 | 20050541005 |
| 5 | 20050511029 | 21050511017 | 21050511048 | 21050511068 |
| 6 | 20050511048 | 21050511018 | 21050511049 | 21050511069 |
| 7 | 20050511051 | 21050511019 | 21050511051 | 21050511072 |
| 8 | 20050511065 | 21050511021 | 21050511052 | 21050511073 |
| 9 | 20050511068 | 21050511024 | 21050511053 | 21050511075 |
| 10 | 20050511077 | 21050511026 | 21050511054 | 21050511076 |
| 11 | 20050511082 | 21050511029 | 21050511056 | 21050511078 |
| 12 | 20050561001 | 21050511036 | 21050511058 | 21050511079 |
| 13 | 21050511004 | 21050511038 | 21050511059 | 21050561002 |
| 14 | 21050511006 | 21050511039 | 21050511060 | 22050511005 |
| 15 | 21050511008 | 21050511040 | 21050511063 | 22050511035 |
| 16 | 21050511010 | 21050511041 | 21050511066 | 22050511044 |
| 17 | 21050511013 | 21050511061 | 24050521001 | 22050541003 |
| 18 | 21050511005 | 21050541018 | 21050511001 | 21050541028 |
| 19 | - | - | 21050511062 | 21050511080 |

Table 3. Experiment groups and weeks.

| Group No | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
|--|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|-------------------|--------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Group 1 Group 2 Group 3 Group 4 | 1 st Exp. | 2 nd Exp. | 3 rd Exp. | 4 th Exp. | National Holiday | 5 th Exp. | MID-TERM EXAMS | | 6 th Exp. | 7 th Exp. | 8 th Exp. | 9 th Exp. | 10 th Exp. |

Table 4. Experiment time schedule

| 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. |
|----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| | Wednesday |
| Group 1 | 09:30 10:30 | 13:30 14:30 | 11:30 12:30 | 13:30 14:30 | 09:30 10:30 | 13:30 14:30 | 11:30 12:30 | 10:30 11:30 | 09:30 10:30 | 13:30 14:30 |
| Group 2 | 10:30 11:30 | 09:30 10:30 | 13:30 14:30 | 14:30 15:30 | 10:30 11:30 | 09:30 10:30 | 13:30 14:30 | 11:30 12:30 | 14:00 15:00 | 09:30 10:30 |
| Group 3 | 11:30 12:30 | 10:30 11:30 | 09:30 10:30 | 10:30 11:30 | 11:30 12:30 | 10:30 11:30 | 09:30 10:30 | 13:30 14:30 | 15:00 16:00 | 10:30 11:30 |
| Group 4 | 13:30 14:30 | 11:30 12:30 | 10:30 11:30 | 11:30 12:30 | 13:30 14:30 | 11:30 12:30 | 10:30 11:30 | 09:30 10:30 | 10:00 11:00 | 11:30 12:30 |

COURSE POLICY

1. There will be a midterm exam grade (35%), laboratory reports grade (30%), and a final exam grade (35%) within the scope of the course. Exams dates will be announced by the department.
2. To fulfill the course **for all students**; at least 80% of laboratory attendance and submitting the reports of attended labs are compulsory. Average report grade is calculated over 10 labs.
3. Students who wish to attend a make-up experiment must apply to the instructor responsible for the respective experiment within 1 week, state their request, and submit the necessary documents. Make-up experiments will be conducted on a date and time determined by the responsible instructor.
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. Oğuzhan MÜLKOĞLU.

Prof. Dr. Selahattin ÇELİK
Head of The Mechanical Engineering Department

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