# AUTOMOTIVE ENGINEERING PROJECT II

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| 1 | Course Title: | AUTOMOTIVE ENGINEERING PROJECT II |
| 2 | Course Code: | OTO4004 |
| 3 | Type of Course: | Compulsory |
| 4 | Level of Course: | First Cycle |
| 5 | Year of Study: | 4 |
| 6 | Semester: | 8 |
| 7 | ECTS Credits Allocated: | 4.00 |
| 8 | Theoretical (hour/week): | 0.00 |
| 9 | Practice (hour/week): | 4.00 |
| 10 | Laboratory (hour/week): | 0 |
| 11 | Prerequisites: | None |
| 12 | Language: | Turkish |
| 13 | Mode of Delivery: | Face to face |
| 14 | Course Coordinator: | Prof. Dr. GÖKHAN SEVİLGEN |
| 15 | Course Lecturers: | |
| 16 | Contact information of the Course Coordinator: | E-posta : ihsan@uludag.edu.tr<br>T: +90 224 294 1978- 294 2602<br>Uludağ Üniversitesi<br>Mühendislik Fakültesi<br>Otomotiv Mühendisliği Bölümü<br>Görükle Kampüsü<br>Bursa 16059 |
| 17 | Website: | |
| 18 | Objective of the Course: | Using the theoretical knowledge that the student's basic courses to design a machine or device to make the necessary theoretical calculations provide the ability to make ready for production by drawing or technical drawing. |
| 19 | Contribution of the Course to Professional Development: | Students will gain the ability to use the knowledge and skills acquired in the courses they have taken in professional practices. |
| 20 | Learning Outcomes: | |
| | 1 | Identifies and defines the functions of the project, system or machine; |
| | 2 | Makes calculations based on the desired characteristics and sizes; |
| | 3 | Identifies and appropriately combines the elements of the system; |
| | 4 | Make appropriately technical drawings; |
| | 5 | Calculate costs of the system; |
| | 6 | Assess, by comparing the results of the system; |
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| 21 | Course Content: | |

**Course Content:**

| Week | Theoretical | Practice |
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| 1 | | Literature Survey |

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| **2** | | Literature Survey |
| **3** | | Concept Design Creation |
| **4** | | Concept Design Creation |
| **5** | | Feasibility Study |
| **6** | | Feasibility Study |
| **7** | | Theoretical Calculations |
| **8** | | Repeating courses and midterm exam |
| **9** | | Theoretical Calculations |
| **10** | | Manufacturing Process Control Study |
| **11** | | Conclusion and Analysis of Results |
| **12** | | Conclusion and Analysis of Results |
| **13** | | Writing Process |
| **14** | | Writing Process |

| Activites | Number | Duration (hour) | Total Work Load (hour) |
|---|---|---|---|
| Theoretical | 0 | 0.00 | 0.00 |
| Practicals/Labs | 14 | 4.00 | 56.00 |
| Self study and preparation | 0 | 0.00 | 0.00 |
| Homeworks | 1 | 30.00 | 30.00 |
| Projects | 0 | 0.00 | 0.00 |
| Field Studies | 0 | 0.00 | 0.00 |
| Midterm exam project | 1 | 20.00 | 20.00 |
| Others | 0 | 0.00 | 0.00 |
| Final Exams | 1 | 10.00 | 10.00 |
| Total Work Load | | | 136.00 |
| Total work load/ 30 hr | | | 3.87 |
| ECTS Credit of the Course | | | 4.00 |

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| Total | 100.00 |
| Measurement and Evaluation Techniques Used in the Course | The project work done by the students on a subject determined for professional practice during a semester is evaluated. |

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| **24** | **ECTS / WORK LOAD TABLE** |

| **25** | **CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS** | | | | | | | | | | | | | | | |
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| | **PQ1** | **PQ2** | **PQ3** | **PQ4** | **PQ5** | **PQ6** | **PQ7** | **PQ8** | **PQ9** | **PQ10** | **PQ11** | **PQ12** | **PQ13** | **PQ14** | **PQ15** | **PQ16** |
| **ÖK1** | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| **ÖK2** | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 0 | 0 | 0 | 0 |

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| **ÖK3** | 1 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| **ÖK4** | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| **ÖK5** | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| **ÖK6** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 |

**LO: Learning Objectives PQ: Program Qualifications**

| **Contribution Level:** | **1 very low** | **2 low** | **3 Medium** | **4 High** | **5 Very High** |
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