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|  |  | | | | | **ECTS Course Description Form** | | | | | | | | | | | | | | | | | | |
|  | **PART I ( Senate Approval)** | | | | | | | | | | | | | | | | | | | | | | | |
|  | **Offering School** | College of Engineering | | | | | | | | | | | | | | | | | | | | | | |
|  | **Offering Department** | Civil Engineering | | | | | | | | | | | | | | | | | | | | | | |
|  | **Program(s) Offered to** | Civil Engineering | | | | | | | | | | | | | Area Elective | | | | | | | | | |
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|  | **Course Code** | CIVE 490 | | | | | | | | | | | | | | | | | | | | | | |
|  | **Course Name** | Entrepreneurship and Inovation | | | | | | | | | | | | | | | | | | | | | | |
|  | **Language of Instruction** | English | | | | | | | | | | | | | | | | | | | | | | |
|  | **Type of Course** | Lecture, Problem Solving | | | | | | | | | | | | | | | | | | | | | | |
|  | **Level of Course** | Graduate | | | | | | | | | | | | | | | | | | | | | | |
|  | **Hours per Week** | **Lecture:** 3 | | | | | **Laboratory:** | | | | **Recitation:** | | **Practical: 1** | | | | | **Studio:** | | **Other:** | | | | |
|  | **ECTS Credit** | 5 | | | | | | | | | | | | | | | | | | | | | | |
|  | **Grading Mode** | Letter Grade | | | | | | | | | | | | | | | | | | | | | | |
|  | **Pre-requisites** | - | | | | | | | | | | | | | | | | | | | | | | |
|  | **Co-requisites** | - | | | | | | | | | | | | | | | | | | | | | | |
|  | **Registration Restriction** | - | | | | | | | | | | | | | | | | | | | | | | |
|  | **Educational Objective** | The main objective of this course is to enable students to identify, appreciate, and assess the attitudes and skills of an entrepreneur and develop the necessary skills for business start-up in today’s challenging business environment. | | | | | | | | | | | | | | | | | | | | | | |
|  | **Course Description** | This course provides business majors with the skills necessary to succeed as an entrepreneur.  The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an accounting system will be covered. | | | | | | | | | | | | | | | | | | | | | | |
|  | **Learning Outcomes** | **LO1** | | | 1- Understanding the dynamic role of entrepreneurship  2- Organizing and managing start-ups  3- Inovation and creating new ideas  4- Writing a business plan  5- Marketing and financing planning | | | | | | | | | | | | | | | | | | | |
|  | **LO2**  **LO3** | | |
|  | **LO4** | | |
|  | **LO5** | | |
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|  | **PART II ( Faculty Board Approval)** | | | | | | | | | | | | | | | | | | | | | | | |
|  | **Basic Outcomes (University-wide)** | | **No.** | **Program Outcomes** | | | | | | | | | | **LO1** | | | **LO2** | | **LO3** | | | **LO4** | | **LO5** |
|  | **PO1** | **Ability** to communicate effectively and write and present a report in Turkish and English. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO2** | **Ability** to work individually, and in intra-disciplinary and multi-disciplinary teams. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO3** | **Recognition** of the need for life-long learning and **ability** to access information , follow developments in science and technology, and continually reinvent oneself. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO4** | **Knowledge** of project management, risk management, innovation and change management, entrepreneurship, and sustainable development. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO5** | **Awareness** of sectors and **ability** to prepare a business plan. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO6** | **Understanding** of professional and ethical responsibility and **demonstrating** ethical behavior. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **Faculty Specific Outcomes** | | **PO7** | Ability to develop, select and use modern techniques and tools necessary for engineering applications and ability to use information technologies effectively. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO8** | Recognition of the effects of engineering applications on health, environment and safety in the universal and societal dimensions and the problems of the time and awareness of the legal consequences of engineering solutions. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO9** | Ability to identify, define, formulate and solve complex engineering problems; and electing and applying appropriate analysis and modeling methods for this purpose. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **Discipline Specific Outcomes (program)** | | **PO10** | Sufficient knowledge in mathematics, science and civil engineering; and the ability to apply theoretical and practical knowledge in these areas to model and solve engineering problems. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO11** | Ability to design a complex system, process, device or product to meet specific requirements under realistic constraints and conditions of economic, environmental, sustainability, manufacturability, ethics, health, safety, social and political issues; and the ability to apply modern design methods for this purpose. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **PO12** | Ability to design experiments, conduct experiments, collect data, analyze and interpret results for the examination of civil engineering problems. | | | | | | | | | | LO1, LO2, LO3, LO4, LO5 | | | | | | | | | | |
|  | **Specialization Specific Outcomes** | | **PO N….** | **-** | | | | | | | | | | **-** | | | | | | | | | | |
| **PART III ( Department Board Approval)** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course Subjects, Contribution of Course Subjects to Learning Outcomes, and Methods for Assessing Learning of Course Subjects** | | | **Subjects** | **Week** | | | |  | | | | | | **LO1** | | | **LO2** | | **LO3** | | | **LO4** | **LO5** | | |
| **S1** | 1 | | | | An overview of entrepreneurs and entrepreneurship | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S2** | 2 | | | | Entrepreneurship approaches, fields, types and process | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S3** | 3 | | | | Inovation and creative Idea | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S4** | 4 | | | | Business plan concept and preparation process | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S5** | 5 | | | | Marketing plan and Stategies | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S6** | 6 | | | | Production plan | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S7** | 7 | | | | Managing human resources and employee relationships | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S8** | 8 | | | | Financial planning | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S9** | 9 | | | | Review succesfull entrepreneurs, business models and start-ups | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S10** | 10,11 | | | | Identifying, evaluating and discussing the creative idea | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S11** | 12,13 | | | | Writing business plan | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
| **S12** | 14 | | | | Jury for business plan | | | | | | A1,A2,A3 | | | A1,A2,A3 | | A1,A2,A3 | | | A1,A2,A3 | A1,A2,A3 | | |
|  |  | | | |  | | | | | |  | | |  | |  | | |  | | | |
| **Assessment Methods, Weight in Course Grade, Implementation and Make-Up Rules** | | | **No.** | **Type** | | | | | | **Weight** | | **Implementation Rule** | | | | **Make-Up Rule** | | | | | | | | | |
| **A1** | **Exam** | | | | | | *0%* | | Midterm exams and final exams will take place. Exams will be in written test and all the course materials will be forbidden to use during the examination. Midterm dates are tentative and announced at the beginning of semester. | | | | The official rules and regulations of the University apply. | | | | | | | | | |
| **A2** | **Quiz** | | | | | | *0%* | | Quiz exams will take place. Quiz will be in written test and all the course materials will be forbidden to use during the examination. | | | | The official rules and regulations of the University apply. | | | | | | | | | |
| **A3** | **Homework** | | | | | | *0%* | | Homework is due the following class. Late homework are not accepted. Homework is to be neat and orderly. All calculations of homework problems are to be in an orderly fashion. | | | | There is no compensation for homework. | | | | | | | | | |
| **A4** | **Project** | | | | | | *80%* | | Business plan projects will be presented at the Final Jury. | | | | The official rules and regulations of the University apply. | | | | | | | | | |
| **A5** | **Report** | | | | | |  | |  | | | |  | | | | | | | | | |
| **A6** | **Presentation** | | | | | | *0%* | |  | | | |  | | | | | | | | | |
| **A7** | **Attendance/ Interaction** | | | | | | *20%* | | Attendance is strongly recommended and obligatory. | | | | The official rules and regulations of the University apply. | | | | | | | | | |
| **A8** | **Class/Lab./**  **Field Work** | | | | | |  | |  | | | |  | | | | | | | | | |
| **A9** | **Other** | | | | | |  | |  | | | |  | | | | | | | | | |
| **TOTAL** | | | | | | | **100%** | | | | | | | | | | | | | | | |
| **Evidence of Achievement of Learning Outcomes** | | | Students will demonstrate learning outcomes through preparation of business plan and presentation to the final jury. . In order to pass, a student needs to accumulate certain percentage of points and this percentage is determined by jury members. | | | | | | | | | | | | | | | | | | | | | | |
| **Method for Determining Letter Grade** | | | One final jury and attendency will be used for grading. The parameters of jury notes and methods will be announced at the beginning of the semester. The table shows the maximum points to be collected.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Assessment** | Midterm | Homework | A[ttendancy](https://tureng.com/tr/turkce-ingilizce/attendancy) | Final exam | TOTAL | | **Points** | 0 | 0 | 20 | 80 | 100 |   Letter grade is determined using the table below:   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Total points** | 100-95 | 94-85 | 84-80 | 79-75 | 74-65 | 64-60 | 59-55 | 54-50 | 49-45 | 44-40 | | **Letter Grade** | A | A- | B+ | B | B- | C+ | C | C- | D+ | D | | | | | | | | | | | | | | | | | | | | | | | |
| **Teaching Methods, Student Work Load** | | | **No** | **Method** | | | | | **Explanation** | | | | | | | | | | | | **Hours** | | | | |
| ***Time applied by instructor*** | | | | | | | | | | | | | | | | | | | | | | |
| **1** | **Lecture** | | | | | Lecturing and utilizing chalkboard/whiteboard. Sample questions and answers. Total number of hours in semester. | | | | | | | | | | | | 42 | | | | |
| **2** | **Interactive Lecture** | | | | |  | | | | | | | | | | | |  | | | | |
| **3** | **Recitation** | | | | |  | | | | | | | | | | | |  | | | | |
| **4** | **Laboratory** | | | | |  | | | | | | | | | | | |  | | | | |
| **5** | **Practical** | | | | |  | | | | | | | | | | | |  | | | | |
| **6** | **Field Work** | | | | |  | | | | | | | | | | | |  | | | | |
| ***Time expected to be allocated by student*** | | | | | | | | | | | | | | | | | | | | | | |
| **7** | **Project** | | | | | Final Jury Project Preperation and Studies | | | | | | | | | | | | 42 | | | | |
| **8** | **Homework** | | | | | Homework Business Plan Studies | | | | | | | | | | | | 28 | | | | |
| **9** | **Pre-class Learning of Course Material** | | | | | Pre-class/ after class individual study | | | | | | | | | | | | 28 | | | | |
| **10** | **Review of Course Material** | | | | |  | | | | | | | | | | | |  | | | | |
| **11** | **Studio** | | | | | Group Study | | | | | | | | | | | | 10 | | | | |
| **12** | **Office Hour** | | | | |  | | | | | | | | | | | |  | | | | |
| **TOTAL** | | | | | | *150* | | | | | | | | | | | | | | | | |
| **IV. PART** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Instructor** | | | **Name** | | | | | | Kıyasettin Başar CEYLAN | | | | | | | | | | | | | | | | |
| **E-mail** | | | | | | basar.ceylan@antalya.edu.tr | | | | | | | | | | | | | | | | |
| **Phone Number** | | | | | | 0530 2922266 | | | | | | | | | | | | | | | | |
| **Office Number** | | | | | |  | | | | | | | | | | | | | | | | |
| **Office Hours** | | | | | | *Be determined during term* | | | | | | | | | | | | | | | | |
| **Course Materials** | | | **Mandatory** | | | | | |  | | | | | | | | | | | | | | | | |
| **Recommended** | | | | | | Academic journals and papers related to the Entrepreneurship and Inovation | | | | | | | | | | | | | | | | |
| **Other** | | | **Scholastic Honesty** | | | | | | Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a serious academic violation and will result in a disciplinary action. | | | | | | | | | | | | | | | | |
| **Students with Disabilities** | | | | | | Reasonable accommodations will be made for students with verifiable disabilities. | | | | | | | | | | | | | | | | |
| **Safety Issues** | | | | | | The handling of the course does not require any special safety requirements. | | | | | | | | | | | | | | | | |
| **Flexibility** | | | | | | Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change.  Students will be notified prior to any changes. | | | | | | | | | | | | | | | | |