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|  | Course name: CENG 104 Computer Programming II | | Department: Computer Engineering | | Semester 2 | | |
| | Methods of Education | | | | | | Credit (ECTS) |
| | Lecture | Recitation / (Etud) | Lab | Project/Field Study | Homework | Other | Total |
| 28 | 32 | 40 | 38 | 42 | | 180 | 6 |
| Language | English | | | | | | |
| Compulsory/Elective | Compulsory | | | | | | |
| Prerequisites | None | | | | | | |
| Course Contents | Bitwise Operations, Pointers, Sorting and Search Algorithms, File operations, Lists, Introduction to Visual Programming, Components, Class and object concepts, Event handling, Basic graphic operation in visual programming languages. | | | | | | |
| Course Objectives | The purpose of this course for students is to develop effective programs with using visual programming, file operations and basic graphic operations. | | | | | | |
| Learning Outcomes and Competences | <ol style="list-style-type: none"> 1. Use different application areas such as the properties of the C programming language. 2. Develop algorithm design and program writing. 3. Define concepts in the design of visual programming languages. 4. Develop new programming languages by using knowledge and experience. | | | | | | |
| Textbook and /or References | <ol style="list-style-type: none"> 1. Deitel&Deitel, (1991), "C How to Program", Prentice Hall. 2. Bjarne Stroustrup, (1997), "The C++ Programming Language", Addison-Wesley Pub. | | | | | | |
| Assessment Criteria | | | | If any, mark as (X) | Percentage (%) | | |
| | Midterm Exams | | | X | 30 | | |
| | Quizzes | | | | | | |
| | Homework | | | X | 2 | | |
| | Projects | | | X | 3 | | |
| | Term Paper | | | | | | |
| | Laboratory work | | | X | 5 | | |
| | Other | | | | | | |
| Final Exam | | | X | 60 | | | |
| Instructors | | | | | | | |