



T.C.

ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ

FACULTY OF SCIENCES

MATHEMATICS AND COMPUTER SCIENCES DEPARTMENT



COURSE INFORMATION FORM

| Course Name | Course Code |
|-------------------|-------------|
| Web Programming I | |

| Semester | Number of Course Hours per Week | | Credit | ECTS |
|----------|---------------------------------|----------|--------|------|
| | Theory | Practice | | |
| 5 | 3 | 0 | - | 5 |

| Course Category (Credit) | | | | |
|--------------------------|----------------------|--------|-------------------|--------|
| Basic Sciences | Engineering Sciences | Design | General Education | Social |
| x | | | | |

| Course Language | Course Level | Course Type |
|-----------------|---------------|-------------|
| Turkish | Undergraduate | Elective |

| | |
|---------------------------------|--|
| Prerequisite(s) if any | |
| Objectives of the Course | Providing the fundamental concepts and techniques in the course content, and enhancing students' abilities to develop algorithms and write programs by applying these concepts and techniques. |
| Short Course Content | Installation of PHP, Writing Rules of PHP, Variables and Control Structures, Strings, Loops, File and Index Operations, PHP Cookie and Login, Functions, Database, MySQL Installation, database Appliances by PHP, PHP and Security. |

| Learning Outcomes of the Course | Contributed PO(s) | Teaching Methods * | Measuring Methods ** |
|---|-------------------|--------------------|----------------------|
| 1 Acquire sufficient knowledge in web programming topics. | 1,2 | 1,2 | J |
| 2 Develop the ability to create algorithms and write programs to solve problems by using theoretical and practical knowledge. | 1,2 | 1,2 | J |
| 3 Develops ability to analyze and solve problems encountered. | 3,4,5,9 | 2,10 | J |
| 4 Analytical thinking skills develop and the ability to make individual and independent decisions develops. | 3,4,5,9 | 10,11 | A |
| 5 The ability to analyze and interpret data, apply interpretation to other data, and apply this information in a computer environment develops. | 13 | 10,11 | A |
| 6 | | | |
| 7 | | | |
| 8 | | | |

*Teaching Methods 1:Expression, 2:Discussion, 3:Experiment, 4:Simulation, 5:Question-Answer, 6:Tutorial, 7:Observation, 8:Case Study, 9:Technical Visit, 10:Trouble/Problem Solving, 11:Individual Work, 12:Team/Group Work, 13:Brain Storm, 14:Project Design / Management, 15:Report Preparation and/or Presentation

**Measuring Methods A:Exam, B:Quiz, C:Oral Exam, D:Homework, E:Report, F:Article Examination, G:Presentation, I:Experimental Skill, J:Project Observation, K:Class Attendance; L:Jury Exam

| | |
|----------------------------------|--|
| Main Textbook | PHP ve MySQL, Erkan Balaban, Pusula Yayıncılık. |
| Supporting References | <ol style="list-style-type: none"> 1. Her Yönüyle PHP 6, Mehmet Şamlı Kodlab Yayıncılık 2. A'dan Z'ye PHP, Rıza Çelik, Seçkin Yayıncılık |
| Necessary Course Material | Computer |

| Course Schedule | |
|------------------------|----------------------------------|
| 1 | Installation of PHP |
| 2 | Writing Rules of PHP |
| 3 | Variables and Control Structures |
| 4 | Strings |
| 5 | Loops |
| 6 | File and Index Operations |
| 7 | PHP Cookie and Login |
| 8 | Mid-Term Exam |
| 9 | Functions |
| 10 | Arrays |
| 11 | Database |
| 12 | MySQL Installation |
| 13 | Database Appliances by PHP |
| 14 | Database Appliances by PHP |
| 15 | PHP and Security |
| 16,17 | Final Exam |

| Calculation of Course Workload | | | |
|---|----------------------------|--------------------|------------------------------|
| Activities | Number | Time (Hour) | Total Workload (Hour) |
| Course Time (number of course hours per week) | 14 | 3 | 42 |
| Classroom Studying Time (review, reinforcing, prestudy,...) | 14 | 3 | 42 |
| Homework | 2 | 1 | 2 |
| Quiz Exam | | | |
| Studying for Quiz Exam | | | |
| Oral exam | | | |
| Studying for Oral Exam | | | |
| Report (Preparation and presentation time included) | | | |
| Project (Preparation and presentation time included) | 1 | 30 | 30 |
| Presentation (Preparation time included) | | | |
| | | | |
| Mid-Term Exam | 1 | 2 | 2 |
| Studying for Mid-Term Exam | 1 | 10 | 10 |
| Final Exam | 1 | 2 | 2 |
| Studying for Final Exam | 1 | 20 | 20 |
| | Total workload | | 150 |
| | Total workload / 30 | | 5 |
| | Course ECTS Credit | | 5 |

| Evaluation | |
|----------------------|------------|
| Activity Type | % |
| Mid-term | 30 |
| Quiz | |
| Homework | |
| Bir öge seçin. | |
| Bir öge seçin. | |
| Final Exam | 70 |
| Total | 100 |

| RELATIONSHIP BETWEEN THE COURSE LEARNING OUTCOMES AND THE PROGRAM OUTCOMES (PO) (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low) | | |
|---|---|--------------|
| NO | PROGRAM OUTCOME | Contribution |
| 1 | The ability to apply knowledges of Mathematics and Computer Sciences, | 5 |
| 2 | To have sufficient theoretical and practical knowledge of Mathematics at international level, | 4 |
| 3 | The ability of describing, modelling and solving of mathematical problems at Mathematics and related subjects, | 5 |
| 4 | The skill to solve and design a problem process in accordance with a defined target, | 5 |
| 5 | Skills to analyze data, interpret and apply to other datum and using these data on computer, | 4 |
| 6 | The skill to use the modern techniques and computational tools needed for mathematical applications, | 3 |
| 7 | The skill to make team work within the discipline and interdisciplinary, | 2 |
| 8 | The ability to improve oneself by following the developments on other modern, scientific and technological subjects as well as Mathematics and Computer Sciences, | 2 |
| 9 | The skill to communicate orally and in written way, in a clear and concise manner by having individual work skills and ability to independently decide and analytical thinking, | 4 |
| 10 | The skill to have professional and ethical responsibility, | 2 |
| 11 | The skill to have consciousness for quality issues and scientific research, | 2 |
| 12 | The skill to be sensitive to environmental issues related with problems and development of living area and consistent in the social relations, | 1 |
| 13 | Ability to solve problems in the working life faced to find an appropriate algoritms via mathematical modeling and to write computer programs, | 4 |
| 14 | The skill to developed design of software systems at different complex levels, | 1 |
| 15 | The credence of necessity of life-long learning and ability to apply the formation long-life learning. | 1 |

| LECTUTER(S) | | | | |
|---------------------|------------------------|--|--|--|
| Prepared by | Prof. Dr. Alper ODABAŞ | | | |
| Signature(s) | | | | |

Date:06.06.2024