

| Course Description   |   |   |                               |                           |      |
|--|---|---|-------------------------------|---------------------------|------|
| Name   | Code  | Semester  | T+A Hour                      | Credit                    | ECTS |
| INFORMATION TECHNOLOGIES and TOOLS I   | İK1211800   | Spring Semester   | 2+0                           | 2                         | 2    |
| <b>Prerequisites Courses</b>   |   |   |                               |                           |      |
| <b>Recommended Elective Courses</b>  |   |   |                               |                           |      |
| <b>Language of Instruction</b>   | Turkish   |   |                               |                           |      |
| <b>Course Level</b>  | First Cycle (Bachelor's Degree)   |   |                               |                           |      |
| <b>Course Type</b>   | Required  |   |                               |                           |      |
| <b>Course Coordinator</b>  | Lect. Serpil AYDIN  |   |                               |                           |      |
| <b>Name of Lecturer(s)</b>   | Lect. Serpil AYDIN  |   |                               |                           |      |
| <b>Assistant(s)</b>  | -Digital Resources (Lecture Video, digital contents (.pptx, .pdf, etc.))  |   |                               |                           |      |
| <b>Aim</b>   | is to teach student fundamentals of hardware, operating systems, office programs and especially spreadsheet program (excel) in order to have them ability to use them for management and operational levels.  |   |                               |                           |      |
| <b>Course Content</b>  | This course contains; Information Technologies Basic Concepts, Computer History, Hardware and Peripherals, Information Technologies, number systems and number systems organization, Computer Networks and Internet, Word Processing Program (Office Programs Word), Information and Document Management in Word Processors, Presentation Technologies, Presentation and content management, Spreadsheets, Spreadsheets, Internet Technologies, Social networks, Technology, Society and Human. |   |                               |                           |      |
| <b>Course Learning Outcomes</b>  |   |   | <b>Teaching Methods</b>       | <b>Assessment Methods</b> |      |
| 1. Evaluates information technologies.   |   |   | 10, 11, 16, 23, 4, 8, 9       | A                         |      |
| 1.1 Explains where to use information technologies   |   |   | 10, 11, 14, 16, 8, 9          | A                         |      |
| 1.2. Compares the advantages and disadvantages information technologies. on technologies.                                      |   |   | 10, 11, 14, 16, 8, 9          | A                         |      |
| 1.3. Debates about the substructure of computer systems.   |   |   | 10, 11, 12, 14, 8, 9          | A                         |      |
| 2. Evaluates the information technology process.   |   |   | 12, 14, 16, 23, 9             | A                         |      |
| 2.1. Distinguishes the operating systems in the computer.  |   |   | 11, 13, 14, 8, 9              | A                         |      |
| 2.2. Solves the errors of the operating systems.   |   |   | 11, 14, 16, 8, 9              | A                         |      |
| 3. Evaluates information technologies.   |   |   | 11, 14, 20, 8, 9              | A                         |      |
| 3.1. Uses Word, spreadsheet and presentation programs  |   |   | 10, 11, 12, 13, 8, 9          | A                         |      |
| 3.2. Manages their own social media accounts.  |   |   | 10, 11, 14, 16, 8, 9          | A                         |      |
| 3.3. Manages spreadsheet programs.   |   |   | 11, 12, 13, 14, 8, 9          | A                         |      |
| 4. Summarizes the basic concepts in software programming, the software development process and security in information systems |   |   | 10, 13, 16, 4, 9              | A                         |      |
| 5. Evaluates information systems in Turkey, the privacy of data there and the difficulties encountered.                        |   |   | 10, 11, 12, 13, 16, 17, 23, 9 | A                         |      |
| <b>Teaching Methods</b>  | 10: Discussion Method, 11: Demonstration Method, 12: Problem Solving Method, 13: Case Study Method, 14: Self Study Method, 16: Question - Answer Technique, 17: Experimental Technique, 20: Reverse Brainstorming Technique, 23: Concept Map Technique, 4: Inquiry-Based Learning, 8: Flipped Classroom Learning, 9: Lecture Method   |   |                               |                           |      |
| <b>Assessment Methods</b>  | A: Traditional Written Exam   |   |                               |                           |      |
| <b>Lecture Schedule</b>  |   |   |                               |                           |      |
| <b>Sequence</b>  | <b>Topics</b>   | <b>Preliminary Preparation</b>  |                               |                           |      |
| 1  | Information Technologies Basic Concepts,  | Digital Resource Lecture notes (pptx, pdf, ders video) will be provided.    |                               |                           |      |
| 2  | Computer History  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 3  | Hardware and Peripherals  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 4  | Information Technologies, number systems and number systems organization  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 5  | Computer Networks and Internet  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 6  | Word Processing Program (Office Programs Word)  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 7  | Information and Document Management in Word Processors  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 8  | Presentation Technologies   | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 9  | Presentation and content management   | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 10   | Spreadsheets  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 11   | Spreadsheets  | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 12   | Internet Technologies   | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 13   | Social networks   | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| 14   | Technology, Society and Human   | Digital Resource Lecture notes (pptx, pdf, lecture video) will be provided. |                               |                           |      |
| <b>Evaluation Methods</b>  |   | <b>Weight(%)</b>  |                               |                           |      |
| Midterm Exam   |   | 20  |                               |                           |      |
| General Exam   |   | 80  |                               |                           |      |

| Resources  |  |
|--|--|
| Temel Bilgi Teknolojileri, Nobel Yayıncılık, Yazar: İbrahim Halil Sugözü Digital Resources, Publications, Sample Computer Applications |  |