Course Syllabus

Code - Course Title	**BOP111 - Operating Systems**
Course Type	I. SEMESTER
Laboratory + Practice	2+1
ECTS	**2.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. DR. EMRAH ÜNLÜER

Mode of Delivery	face to fae
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	none
Recommended Resources	No recommended resources.
Work Placement	none
Aims of the Course	The objective of this course is to introduce students to the concept of computer software, types of software, and fundamental operating systems (DOS, Windows, Unix, macOS), and to provide them with the competency to independently perform desktop management, control panel settings, user account management, and basic network configurations on the Windows operating system.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	**LO-1**	The Concept of Computer Software and Basic Definitions	Lecture, Question & Answer
Week - 2	**LO-1**	Software Types: System Software and Application Software	Lecture, Question & Answer, Demonstration
Week - 3	**LO-2**	Introduction to Operating Systems: DOS Operating System and Command Line Logic	Lecture, Question & Answer, Demonstration
Week - 4	**LO-2** **LO-3**	Introduction to Windows Operating System and Its General Architecture	Lecture, Question & Answer, Demonstration
Week - 5	**LO-2**	Introduction and Features of Unix and Linux Operating Systems	Lecture, Question & Answer, Demonstration
Week - 6	**LO-2**	Introduction and Features of the MacOS (OS X) Operating System	Lecture, Question & Answer, Demonstration
Week - 7	**LO-3**	Windows Desktop Operations and Start Menu Configuration	Lecture, Question & Answer, Demonstration, Demonstration and Practice

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 8	LO-4	Introduction to Windows Control Panel and System Settings	Lecture, Question & Answer, Demonstration, Demonstration and Practice
Week - 9	LO-4	Introduction to Windows Control Panel and System Settings	Lecture, Question & Answer, Demonstration, Demonstration and Practice
Week - 10	LO-4	Windows User Accounts and Authorization Procedures	Lecture, Question & Answer, Demonstration, Demonstration and Practice
Week - 11	LO-4	Windows File and Folder Management, Permissions, and Security	Lecture, Question & Answer, Demonstration, Demonstration and Practice
Week - 12	LO-5	Basic Network Connectivity and Network Settings	Lecture, Question & Answer, Demonstration, Demonstration and Practice
Week - 13	LO-6	Basic Troubleshooting and Maintenance Tools in Operating Systems	Question & Answer, Demonstration, Demonstration and Practice
Week - 14	LO-6	Evaluation of General Review and Application Studies	Lecture, Question & Answer, Interview, Demonstration and Practice

Learning Outcomes

#	Learning Outcome
1	Can explain the concept and types of software.
2	Can compare different operating systems.
3	The user can effectively utilize the desktop components and the Start menu in the Windows operating system.
4	Can configure system and user settings.
5	Can configure basic network connections via the operating system.
6	It can perform a given operating system task on a computer step-by-step.

Sustainable Development Goals

✓ Quality Education ✓ Decent Work and Economic Growth ✓ Industry, Innovation and Infrastructure

Course Theme

✓ Communication Technologies and the IoT ✓ Software, Cloud and Blockchain ✓ Innovation Skills

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	2.00	14	28
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0.00	0	0
Ödevler	1.00	5	5
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	6.00	1	6
Final Sınavı Hazırlığı (sınav süresi dahil)	9.00	1	9
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	1.00	5	5
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**2.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Multiple Choice Test ✓ Short-Answer Test ✓ True-False Test ✓ Fill-in-the-Blank Test ✓ Homework