Course Syllabus

Code - Course Title	**ÇEK412 - New Technology and Working Life**
Course Type	VI. SEMESTER
Laboratory + Practice	2+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	DOÇ. DR. SEDA TEKELİ

Mode of Delivery	The mode of delivery of this course is Face to face
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	Verda Canbey Özgüler, Yeni Teknolojiler ve Çalışma Hayatı, AÖF Yayınları, Yayın No: 1883, Ocak 2013; Orhan Koçak, Bilgi Toplumu Sürecinde Çalışma yaşamı-Dijital Teknolojiler Boyutuyla, Ekin Yayınevi, Ekim, 2011.
Work Placement	N/A
Aims of the Course	The aim of this course is to examine the effects of new technologies and digital transformation on working life, employment, work organization, and industrial relations. The course focuses on the implications of technological developments, including artificial intelligence, automation, robotics, Industry 4.0, and digital platforms, for occupational transformation, labour demand, skill requirements, working conditions, and workers' rights. It also aims to enable students to analyse the opportunities and risks arising from technological change, discuss its implications for unemployment, job security, inequalities in working life, and social policy, and develop a critical perspective on the future of work.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	**LO-1**	The Rise of Science-Related Technology	Lecture, Question & Answer, Discussion, Brain Storming
Week - 2	**LO-1**	The Rise of Science-Related Technology	Lecture, Question & Answer, Discussion, Brain Storming
Week - 3	**LO-1**	Microeconomics of Innovation: Theory of the Firm	Lecture, Question & Answer, Discussion, Brain Storming
Week - 4	**LO-2**	Macroeconomics of Innovation: Technology, Growth and Globalization	Lecture, Question & Answer, Discussion, Brain Storming

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 5	LO-2	Macroeconomics of Innovation: Technology, Growth and Globalization	Lecture, Question & Answer, Discussion, Brain Storming
Week - 6	LO-2	Innovation and Public Policy, Public Policy for Science and Technological Innovation	Lecture, Question & Answer, Discussion, Brain Storming
Week - 7	LO-2	Public Policy for Science and Technological Innovation	Lecture, Question & Answer, Discussion, Brain Storming
Week - 8	LO-2	Innovation and Public Policy, Information Society	Lecture, Question & Answer, Discussion, Brain Storming
Week - 9	LO-2	Technology, Employment and Unemployment	Lecture, Question & Answer, Discussion, Brain Storming
Week - 10	LO-2	Innovation and Public Policy Technology and Labor Force Participation	Lecture, Question & Answer, Discussion, Brain Storming
Week - 11	LO-2	Job creation and destruction in the Industrial Revolulotion process	Lecture, Question & Answer, Discussion, Brain Storming
Week - 12	LO-2	Job and Employment Creation Process	Lecture, Question & Answer, Discussion, Brain Storming
Week - 13	LO-3	Global Unemployment, Poverty and Social Exclusion	Lecture, Question & Answer, Discussion, Brain Storming
Week - 14	LO-3	Global Production Networks	Lecture, Question & Answer, Discussion, Brain Storming

Learning Outcomes

#	Learning Outcome
1	define conceptual and theoretical framework of technological developments.
2	analyse the effects of technological developments on working life and employment
3	evalute developments in technological developments

Sustainable Development Goals

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

Course Theme

✓ Innovation Skills

AKTS Workload

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

Assessment Method and Passing Requirements

✓ Open-Ended Test