

Rapport for emne TIK4021

Stadiuminfo:	Utkast (S1)
Sist endret:	07.10.2024 Petter Drange Brønstad (petterdb)
Opprettet i EpN:	Nei

Generelt

Emnekodeforslag	TIK4021
Versjonskodeforslag	1
Tilknyttede campuser	UIO
Studienivå	Høyere grads nivå (500)
Administrativt sted	185.17.01.00 Senter for teknologi, innovasjon og kultur
Studieansvarlig sted	185.17.01.00 Senter for teknologi, innovasjon og kultur
Vekting	10.0
Vektingstype	Studiepoeng
Navn - bokmål	Innovation and Global Challenges
Navn - nynorsk	Innovation and Global Challenges
Navn - engelsk	Innovation and Global Challenges
Første undervisningstermin	2007 VÅR
Siste undervisningstermin	
Første eksamenstermin	2007 VÅR
Siste eksamenstermin	
Språk	Engelsk

Rapportering

Tilknyttede studieprogram	TIKKURS Høyeregradskurs ved TIK
	SVMA-ESST Society, Science and Technology in Europe
	SVM2-TIK Teknologi, innovasjon og kunnskap

Vurdering

Antall forsøk lovlig	3
Gjelder fra termin	
Oppgave/avhandling	N
Vekt. på kar.utskrift	J
Kar. på kar.utskrift	J
Krev und.oppt første	J
Krev und.oppt alltid	N

Undervisning

Antall forsøk lovlig	
Gjelder fra termin	
Påkrevd Ja-svar	N
Beregn kval undervisningsmelding	J
Påkrevet akt.ønske	N

Ventelistenr	J
Aut. undervisningsmelding	N
Påkrevd fremmøte	N
Venteliste	J
Etteranmelding	Direktepåmelding via StudentWeb
Påmelding	Direktepåmelding via StudentWeb
Undervisningstermin beskrivelse	Vår
Undervisningstermin	Starter vår, varer 1 semester

StudentWeb

Oppmelding	J
Privatistmelding	N
Kontroll Fkrav	N
Enkeltemneopptak i Studentweb	N
Vurd.meld språk	J

Emneinfo

Kort om emnet

Engelsk:

Science and innovation are at the heart of solving some of today's most pressing global challenges, such as climate change, economic development, and global health. But why does economic growth vary so dramatically across countries and regions? Why do technological innovations dominate solutions to climate change? Can university-based research address health problems in developing countries? And if innovation is such a buzzword, why do so many barriers still exist within organizations?

The primary goal of this course is to deepen students' understanding of key concepts, issues, theories, and dilemmas in innovation studies, building on introductory courses at the University of Oslo and beyond. Through examples related to climate change, digitalisation, economic growth, and public sector innovation, the course ties the study of innovation to some of the most significant societal challenges of our time. By the end, students will be equipped to engage in high-level discussions on contemporary innovation theories, policies, and governance.

From the lecturer's side, the aim is to foster a stimulating and interactive learning environment with engaging tasks, discussions, and case studies—while making the learning process enjoyable. The course is closely aligned with ongoing research by TIK faculty and guest lecturers, both national and international. Additionally, senior students will lead seminars to encourage master's students to actively engage with literature and concepts in a collaborative setting.

The course is organised into five modules each lasting two to three weeks:

1. Knowledge, innovation and societal impact
2. Digitalisation
3. Sustainability transitions
4. Governance of innovation
5. From Silos to Synergy: Applying Cross-Module Theories to Complex Problems

In each module, students are introduced to conceptual tools for understanding the dynamics and governance of innovation at both organizational and systems levels. The final module, "From Silos to Synergy," emphasizes the integration of these concepts across disciplines, preparing students to apply them in complex real-world situations, including their master's thesis projects.

Students are expected to submit mandatory assignments throughout the course and to actively participate in discussions, group work, and oral presentations. These assignments are designed to encourage the application of ideas from lectures, allowing students to receive continuous feedback from lecturers. These exercises help build a foundation for the final exam and further development of critical thinking skills.

Hva lærer du?

Engelsk:

By the end of this course, students will have gained sophisticated analytical tools and frameworks to study and navigate innovation processes. Students will be able to critically analyze and explain some of the most pressing societal challenges and driving forces in today's innovation landscape. Specifically, the course provides students with advanced knowledge on:

- Understanding and analysing pressing societal phenomena such as the green shift, digitisation and the platform economy
- The dynamics of modern knowledge-based economies and their implications for innovation.
- Innovation management: How organisations can become more innovative
- The development and implementation of technology within society
- Policymaking and governance of innovation
- The societal impact of science-based knowledge and innovation
- Differences in innovation dynamics across sectors, countries, and regions
- The systemic and evolutionary underpinnings of innovation, including the role of place-specific institutions, infrastructures, and practices
- The role of public institutions and infrastructures, like universities, in fostering innovation processes and systems
- Synthesising interdisciplinary knowledge to analyse and address complex, real-world problems

Opptak til emnet

Engelsk:

Students who are admitted to study programmes at UiO must each semester register which courses and exams they wish to sign up for in Studentweb.

If you are not already enrolled as a student at UiO, please see our information about admission requirements and procedures.

The course is applicable for master programme students from humanities/social sciences if they meet the prerequisites. Students from TIK Centre for Technology, Innovation and Culture have a priority, other students are admitted if there is capacity.

Please apply in Studentweb by: January 10th.

Obligatoriske forkunnskaper

Engelsk:

- A Bachelor Degree in Social Sciences, Humanities or equal.
- TIK4001 - Teknologi, innovasjon og kunnskap, or equivalent.

Undervisning

Engelsk:

- 80 % participation is expected

Eksamen

Engelsk:

One week individual home-exam.

Eksamensspråk

Engelsk:

The exam will be conducted in English.

Karakterskala

Engelsk:

Grades are awarded on a scale from A to F, where A is the best grade and F is a fail. Read more about the grading system.

Adgang til ny eller utsatt eksamen

Engelsk:

If you are sick or have another valid reason for not attending the regular exam, we offer a postponed exam later in the same semester.

See also our information about resitting an exam.