Innholdskrav	Utfyllende opplysninger og kommentarer
Navn:	Computer Communication
Emnekode og emnenivå:	INF-2300
Emnetype	The course can be taken as a singular course.
Omfang	10 ECTS credits
Overlapp	Inf-2301 (5 ECTS)
Forkunnskapskrav, anbefalte forkunnskaper	INF-1101 Data structures and algorithms
Faglig innhold	The course focuses on properties of communication between computers, and the machinery needed to faciliate the communication. Among the properties are those arising from the uncertainty of delivery, the omnipresence of errors, and lack of global consistence and authority. The course also introduce how to develop and use high level distributed programming abstractions including RPC/RMI, Web Services, Publish-Subscribe systems, and similar.
Relevans i studieprogram	
Læringsutbytte	Knowledge: • Should have an in-depth knowledge of challenges and solutions related to providing reliable communication between computers • Should have an in-depth knowledge and understanding of the layered Internet architecture, services related to each layer, current communication protocols, and available solutions Skills: • Should be able to design and implement network protocols that enable communication between computers • Should also be able to use, design and implement application level protocols Comptence: • Should be able to understand how network protocols work, are defined and are used • Should be able grasp the concpet of a layered architecture and its advantages

Undervisning og arbeidsform	Lectures: 30 hours, Colloquium: 30 hours, Lab: 30 hours. The course is given every spring semester.
Arbeidskrav	The coursework includes up to 4 written assignments graded "Approved" / "Not Approved". Oral presentation of the assignments and demonstration of a working system can be claimed.
Eksamen og vurdering	A 4 hour final written exam counting 100%. Approved assignments give access to the final written exam.
Kontinuasjonseksamen[2]	Re-sit examination: Given early in teaching free semester, if the course is compulsory in the study plan. It will be arranged a 4 hour written exam counting 100%. To get access to the re-sit examination in the teaching free semester the student must have passed the course requirements. Postponed examination: Given early in teaching free semester. It will be arranged a 4 hour written exam counting 100%. To get access to the postponed examination in the teaching free semester the student must have passed the course requirements.
Vurdering med flere deleksamener	-
Sikkerhetsopplæring	-
Praksis	-
Undervisnings- og eksamensspråk[3]	The language of instruction is English and all of the syllabus material is in English. Examination questions will be given in English, but may be answered either in English or a Scandinavian language.
Pensum	Syllabus and reading list are available in Fronter or by contacting the teacher or the student adviser.
Privatister	-
Andre bestemmelser	-

Kilde: https://intranett.uit.no/intranett/vis-artikkel?p_document_id=432321&p_dimension_id=88203&men=65815 (intranett)