COURSE DETAIL

LIFE SCIENCES AND HEALTH INFORMATICS
Country Netherlands
Host Institution Utrecht University
Program(s) Utrecht University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Health Sciences
UCEAP Course Number 100
UCEAP Course Suffix
UCEAP Official Title LIFE SCIENCES AND HEALTH INFORMATICS
UCEAP Transcript Title LIFE SCI & HLTH INF
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course teaches students to prepare grant proposals to apply for research funding of ICT-based innovations within the life sciences and health domains. Lectures provide insight into the current state of innovation through information and communication technologies within the life sciences and health informatics domains, and teach how to write successful grant proposals within this domain. The lectures are presented by both internal and external guest speakers, and course lecturer(s). Workshops are structured around the CORETEST recommendation for performing an extensive feasibility analysis of a research idea. A CORETEST is an investigation of the conceptual, organizational, economic, technological, and societal aspects of an innovative idea. This course covers: brainstorming towards an innovative idea, developing a conceptual model of the intended venture, exploring the market and its key players, identifying potential partners, predicting product purchase and usage based on literature and survey results, modeling information exchange and usability, and calculating potential societal gains resulting from implementing the proposed project. Students also experience managerial tasks like time planning and cost budgeting as part of the project. Students pitch an innoviative idea within the familiar workshop setting before pitching to a professional jury. Students incorporate feedback and submit a final grant proposal to the teaching staff. Past guest speakers covered topics including: feasibility analysis, the Dutch healthcare sector, bio molecular mass spectrometry and proteomics, high-throughput screening, decision support in veterinary science, marketing strategy in life sciences innovation, how to write grant proposals, semantic web technology in the life sciences domain, and trends and IT strategy in healthcare innovation.

Language(s) of Instruction
English

Host Institution Course Number
INFOB3LSHI

Host Institution Course Title
LIFE SCIENCES AND HEALTH INFORMATICS

Host Institution Course Details
https://osiris.uu.nl/osiris_student_uuprd/OnderwijsCatalogusSelect.do?selectie=...

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Information and Computing Sciences

Course Last Reviewed
2020-2021

Print