

授業科目名(英文名) / Course title	持続可能社会創成学概論 / Introduction to Science for Sustainable Societies				
担当教員(所属) / Instructor	和田 直也(サステイナビリティ国際研究センター), 本間 哲志(経済学部経済学科), 中村 真由美(経済学部経済学科), 張 勤(理学部), Geetha Mohan(サステイナビリティ国際研究センター), Chakraborty Shamik(サステイナビリティ国際研究センター), 堀田 裕弘(都市デザイン学部都市・交通デザイン学科), 堀 祐治(都市デザイン学部都市・交通デザイン学科)				
授業科目区分 / Category	専門教育科目 学環共通科目				
地域課題解決型人材育成プログラム科目 / COC+Course 平成28年度入学者から適用	-	授業種別 / Type of class	講義科目		
開講学期曜限 / Period	2026年度 / Academic Year 第1ターム / Term 1 月/Mon 2	対象所属 / Eligible Faculty	持続可能社会創成学環(修士課程) / Graduate School of Sustainability Studies		
時間割コード / Registration Code	D41001	対象学年 / Eligible grade	1年, 2年	単位数 / Credits	1単位
ナンバリングコード / Numbering Code					
Moodleコース統合時間割コード / Moodle course join Registration Code					
Moodleコース登録教員名 / Moodle course registered Instructor					
MoodleコースURL / Moodle course URL	https://moodle52.u-toyama.ac.jp/course/view.php?idnumber=2026_D41001				
各種教育プログラム1 / Various educational programs1					
各種教育プログラム2 / Various educational programs2					
各種教育プログラム3 / Various educational programs3					
各種教育プログラム4 / Various educational programs4					
各種教育プログラム5 / Various educational programs5					
SDGsとの関連 / Related SDGs					
昨年度からの改善点 / Changes from last year					
リアルタイム・アドバイス / Real-time advice	更新日				
授業のねらいとカリキュラム上の位置付け(一般学修目標) / Course Objectives	教育目標 / Educational Goals				
<p>In order to build a sustainable society, it is necessary to proactively solve the problems faced by modern society in a variety of fields.</p> <p>In addition, in this course, students will gain an understanding of the issues that arise in the interaction between disciplines from the perspectives of the humanities, society, urban design, and science, and they will better understand the steps that need to be taken to address these issues.</p> <p>Through these studies, students will deepen their understanding of cross-disciplinary thinking that is not limited to a single field.</p>					
達成目標 / Course Goals					

<p>By taking this 8-session course, you will be able to</p> <ul style="list-style-type: none"> - Acquire basic knowledge of the Sustainable Development Goals (SDGs) and be able to think about and explain them on your own. - Learn how climate change, biodiversity, global environmental issues, and sustainability issues affect our lives and society from the perspectives of the entire world, regions, and countries and acquire the ability to express opinions on society and nature as an academic. - Deepen your understanding of the SDGs and improve the ability to think multilaterally (e.g., to find problems, collect data, make comprehensive judgments, and propose remedial measures) about the demands of society toward achieving a sustainable society from multiple perspectives, including environmental, national, social, and economic viewpoints. 	
<p>授業計画（授業の形式、スケジュール等）/Class schedule</p>	
<p>Session 1: Orientation; A history of postwar changes in human, social and global systems - Why we should aim for a sustainable society (Wada)</p> <p>Session 2: What are SDGs, climate change, and sustainable society? (Zhang)</p> <p>Session 3: Sustainable solutions for global environmental problems (Geetha)</p> <p>Session 4: Addressing socioecology for sustainable societies: Can we connect society with nature? (Chakraborty)</p> <p>Session 5: Introduction to data science from the perspective of econometrics (Homma)</p> <p>Session 6: Social Science for Sustainable Society (Nakamura)</p> <p>Session 7: Urban Energy Policy and Sustainability (Hori)</p> <p>Session 8: Introduction of commonly-used smart city technologies (Horita)</p>	
<p>授業時間外学修（事前・事後学修）/Independent Study Outside of Class</p>	
<p>Study time outside of class is about 0.5 to 2 hours of independent study for each class session. In order to increase the effectiveness of learning, students should review the contents of previous classes in their pre-class study and review lectures through quizzes in their post-class study, as well as write assigned reports in some cases.</p>	
キーワード / Keywords	Climate Change, Human, Social and Global Systems, History of Transitions, Environmental Law and Policy, Urban Policy, Resource Circulation, Regional Development, Northeast Asia Region
履修上の注意 / Notices	Attend all lectures over the entire course. Be sure to include personally identifiable information such as department name as well as student name and number when writing reports and quizzes. Failure to do so may result in a grade of zero.
教科書・参考書等 / Textbooks	<p>教科書</p> <p>参考書</p> <p>教科書・参考書に関するその他通信欄</p> <p>The supervisors will contact you before the class and distribute necessary materials.</p>
成績評価の方法 / Evaluation	Attendance is required. The acquisition of knowledge and abilities listed in the achievement objectives will be comprehensively evaluated based on quizzes (or reports) given by the supervisor in charge of each session. Total score of quizzes (or reports) (100% of grade)
関連科目 / Related course	
リンク先URL / URL of syllabus or other information	
備考 / Notes	