## **Course Descriptions Master 2020-2021**

Course Descriptions N	Master 20	20-2021						
Course Title	Sustainability Science							
Course Code	SSP2031							
ECTS Credits	5,0							
Assessment	Whole/Half Grades							
Period	Period 1	Start 31-8-2020	End 16-10-2020	Mon	Tue X	Wed	Thu	Fri X
Level	no level							
Coordinator	Annemarie van Zeijl-Rozema For more information:a.vanzeijl@maastrichtuniversity.nl							
Language of instruction	English							
Goals	<ul> <li>* to understand the social element in the dynamics of problem definitions</li> <li>* to use theories and methods of problem structuring</li> <li>* to understand processes of research use</li> <li>* to name and understand different roles of scientists in complex problems and their suitability in different contexts</li> <li>* to explain the theories and concepts of sustainability science</li> <li>* to understand the concept of boundary work: its challenges and relevance in sustainable development</li> <li>* to recognize and reflect on ethical and normative aspects of sustainability science for policy making</li> </ul>							
Description	In matters of sustainable development, policy making and knowledge production are entangled in many ways. Policy makers, for instance, will need scientific knowledge to justify and target their plans. Likewise, scientists hope to make their findings about sustainability useful and to inform policy makers. In this course we will investigate the various ways in which scientific knowledge production and policy making are intertwined or clash. Starting from the angle of policy, we will look into the nature of policy problems, which, in the case of sustainable development, often are ill-structured and open ended. From the angle of science, we will consider the different strategies open to scientists to make their knowledge useful. Attention will also be given to the ways in which the science 'system' is changing, in particular the shift from normal or mode-1 science to post- normal or mode-2 science. This raises pertinent questions about what knowledge through problem-focused analysis, integration, attention to cross-scale dimensions of human-environment interactions and boundary spanning at the interface of research and practice. In the course, students will learn about boundary work at the interface of science and society and sustainability science as an emerging field of science. * What strategies do scientists have to make their knowledge useful and can they prevent misuse of their science? * Does more information always help to make better decisions? * Should science compel action, for instance when new facts about the severity of climate change are uncovered?							
Literature								
Prerequisites								
Keywords								
Teaching methods								
Assessment methods								
Evaluation in previous academic year	For the complete evaluation of this course please click http://iwio- sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM							
This course belongs to the following programme / specialisation	Master Sust	ainability Scie	nce, Policy an	d Society	Compulso	ry Course(s)		