



Title	WUCLC Climate Change: Mitigation and Adaptation Strategies for Society
Introduction	<p>Today's debate about climate change is no longer about whether our climate will change, but rather about: How will it change, how can we cope with its impacts (adaptation), and how can we limit future climate change (mitigation)? Over the past decade, it has become apparent that the world is facing significant climate changes, the effects of which have already manifested in our current society.</p> <p>These issues fuel a range of new challenges to both the natural and social sciences. Answers need to be found for the following questions: How will ecosystems be affected and how will these feed back into the climate system? How will national and international political agendas be set by climate change issues? How will citizens, consumers, companies, and other social actors respond to climate change? What are the economic costs of the impacts and measures related to climate change, and how are these costs distributed globally? Will new social and economic opportunities emerge in the process of adaptation? As these changes and challenges become ever more apparent, the demand for scientists that are able to understand and investigate them will rise.</p> <p>The BSc Minor Climate Change: Mitigation and Adaptation Strategies for Society will allow students to gain the broad basis of knowledge needed in order to deal with climate change issues. Students from the different disciplines of natural and social sciences will follow different courses during the first two periods in order to create an equal base. By the third period, all students will understand each other's language and will work together on Climate Change adaptation projects either in the context of developed or developing countries.</p>
BSc Minor coordinator	<p>Dr ir M R. Hoosbeek Phone: +31 (0)317-48 41 09 E-mail: marcel.hoosbeek@wur.nl</p> <p>Dr S.D. Keesstra Phone: +31 (0)317-48 28 77 E-mail: saskia.keesstra@wur.nl</p>

Learning outcomes	<p>After successful completion of this minor students are expected to be able to:</p> <ul style="list-style-type: none"> - demonstrate basic understanding of the physical, chemical and biological mechanisms and feedbacks that regulate the Earth System; - demonstrate command of the basic social-scientific concepts that are relevant to understanding the interaction between climate change and society; - use various methodological approaches to studying climate-related physical, socio-political and economic issues, including the prospects of mitigation of, and adaptation to climate change; - cooperate within a multidisciplinary team and contribute to the design and development of policy measures dealing with climate change and its effects on society; - demonstrate awareness of the widely divergent economic and cultural situations in which people live in different parts of the world and the effects that climate change, and measures to mitigate or adapt to it, may have on their well-being. 		
Courses	Code and name of the courses	Period, MO/AF	CS or RO
1.	ESA-23306 Introduction to Global Change	1 MO	CS
2.	ENR-22806 Principles of Climate Change Economics and Policy	1 AF	R01
3.	ESS-21306 Principles of Earth and Ecosystem Science	1 AF	R02
4.	ENP-23806 Sustainability Transitions: Concepts, Issues and Indicators	2 MO	R03
5.	ESS-20306 System Earth: Scale Dependence, Feedbacks and Global Change	2 AF	R03
6.	ESA-22806 Environmental Systems Analysis: Methods and Applications	2 AF	R03
7.	ESS-51306 Integrative Project on Adaptation to Climate Change	3	R04
8.	LDD-51306 Adaptation to Climate Change in Developing Countries	3	R04
RO information	<p>RO1 compulsory for BBI, BBN, BBW, BIL, BMK, BPW. RO2 compulsory for BBC, BEB, BIN, BTC. RO3 choose ESS-20306 System Earth, unless this a compulsory course of your BSc programme. RO4 choose 1 course. Other BSc students: contact the minor coordinator for advice.</p>		
Target group	BBI, BBN, BBW, BIL, BMK, BPW, BBC, BEB, BIN, BTC.		

