

Human Dimensions of Fish and Wildlife Management, 15.0 credits 15/01-20/03/2024

In the course on Human Dimensions of Fish and Wildlife Management, you will critically approach the management of natural resources by training yourself in assuming a position from which you would be responsible of balancing nature's needs and humans' demands.

In this course, you will choose a case study that speaks to you –i.e. a case that you wish you can tackle once you have completed your master degree. With this case in mind, you will choose whether at this stage in your formation, you prefer to work on one of these types of products: i) a policy brief; ii) a communication piece; or iii) a description of the governance in place. Alternatively, you will also have the possibility to choose a different communication tool. That is, you can decide to produce a video, a poster, an illustrated book, or other means of communication. We (each student and the course leader) will agree on the product and the communication tool by February 5, 2023.

You will work through the course in developing your final product. The deadline to deliver it is March 20, 2023. You will not have mandatory readings but you are expected to read thoroughly to document your study case.

The ultimate goal of this course is that you learn analytical tools that enable you to propose solutions aiming to balance nature's need and humans' demands. Therefore, the key requirement for you to keep in mind when developing your final product is that you must incorporate human dimensions into the analysis of your study case in ways that tackle the trade-offs involved in managing natural resources.

Attending lectures is not mandatory with exception of the dates when guest lecturers are schedule to kindly share their experience.

CW3: Human dimensions, natural resource governance, adaptive management, and stakeholders				
Expected learning outcomes (weeks 3 and 4)	You should <ul style="list-style-type: none"> - be able to define the concept “Human Dimensions of Wildlife Management” and describe the basic content of the research field - be able to define the concept of sustainability and be familiar with international - have basic understanding of wildlife management within a social-ecological system context - have a basic knowledge on the characteristics of environmental governance as a multi-level and multi-sector phenomenon - have a basic understanding of the concept of wicked problems, and the tools that can be used to handle these problems, in particular adaptive management (AM) - be able to define AM-related concepts and discuss challenges in adaptive management of fish and wildlife - be able to define “conservation conflicts” - develop deeper understanding of conflict - be able to describe the introduced framework for effective management of conservation conflicts - gain insight into role of science in conflicts 			
	Date	Time	Class Room	Topic
15 January	09-12	Björken	Introduction of course outline, conversation on final product and communication strategies Human Dimensions as a research field (part 1)	Adan L. Martinez-Cruz
16 January	09-12	Björken	From government to governance	Irina Mancheva
17 January	N/A	N/A	Self-study: Pick a couple of potential study cases and gather initial information on both	N/A
18 January	09-12	Björken	Adaptive management	Irina Mancheva
19 January	11-12 13-14	Björken Kronan	Role of stakeholders and stakeholder analysis	Irina Mancheva

CW4: Natural resource governance, adaptive management, and Conservation conflicts				
Expected learning outcomes (weeks 3 and 4)	You should <ul style="list-style-type: none"> - have a basic knowledge on the characteristics of environmental governance as a multi-level and multi-sector phenomenon - have a basic understanding of the concept of wicked problems, and the tools that can be used to handle these problems, in particular adaptive management (AM) - be able to define AM-related concepts and discuss challenges in adaptive management of fish and wildlife - be able to define the role of stakeholders in wildlife management and describe possible stages of stakeholder engagement - be able to define the socio-psychological concepts of values, attitudes and norms - have a basic understanding to which extent these concepts can be used to predict behavior - be able to define “conservation conflicts” - develop deeper understanding of conflict - be able to describe the introduced framework for effective management of conservation conflicts - gain insight into role of science in conflicts 			
	Date	Time	Class Room	Topic
22 January	09-12	Björken	Human Dimensions as a research field (part 2)	Adan L. Martinez-Cruz
23 January	09-12	Björken	Introduction to conservation conflicts	Tim Horstkotte
24 January	N/A	N/A	Self-study: Gather additional information on potential study cases and choose your preferred communication tool.	N/A
25 January	09-12	Björken	Understanding and managing conservation conflicts	Tim Horstkotte
26 January	09-12	Björken	Human Dimensions as a research field (part 3)	Adan L. Martinez-Cruz

CW5: Conservation conflicts, traditional knowledge, and innovative solutions				
Expected learning outcomes (week 5)		You should <ul style="list-style-type: none"> - develop deeper understanding of conflict, including sources of solutions - gain insight into role of science in solution of conflicts - gain insight into the role of traditional knowledge in solution of conflicts 		
Date	Time		Topic	Lecturer
29 January	09-12	Björken	Different ways of knowing - indigenous knowledge and western science	Tim Horstkotte
30 January	09-12	Björken	Balancing pets' and wildlife needs with humans' demands while urbanization increases Trade-offs between governance of urban green spaces and citizen participation	Suze Van Der Zwet Pedro Obregon
31 January	N/A	N/A	Self-study: Gather additional information on potential study cases and choose the format of your final product	N/A
01 February	N/A	N/A	Self-study: Choose your study case, and write a title and 200-word storyline that your final product will communicate. First draft.	N/A
02 February	09-12	Björken	Securing future generations the chance to plant and grow trees	Daniel Pacurar

CW6: Conservation conflicts, traditional knowledge, management across border, and Environmental Ethics				
Expected learning outcomes		You should <ul style="list-style-type: none"> - develop deeper understanding of conflict, including sources of solutions - gain insights into role of science in solution of conflicts - gain insights into the role of traditional knowledge in solution of conflicts - gain insights into the ethics behind wildlife management - gain insights into complexities arising when management implies involvement of several governments 		
Date	Time	Room	Topic	Lecturer
05 February	09-12	Björken	Protected areas and Indigenous peoples' rights	Elsa Reimerson
06 February	09-12	Björken	Food governance in Sweden, Italy, and Chile	Cristian Alarcon Ferrari
07 February	N/A	N/A	Self-study: Choose your study case, and write a title and 200-word storyline that your final product will communicate. Second draft	N/A
08 February	09-12	Björken	Environmental ethics for wildlife management	Lars Samuelsson
09 February	09-12	Björken	Presentation of study cases –title and 200-word storyline.	Adan L. Martinez-Cruz

CW7: Management across borders, and resource economics				
Expected learning outcomes	You should <ul style="list-style-type: none"> - gain insights into complexities arising when management implies involvement of several governments - be familiar with the conceptual framework to assessing monetary value of ecosystem services with a particular focus on non-market ecosystem services - be able to identify and outline major steps in conducting economic valuation of ecosystem services applied to contexts of your particular interest - recognize common strengths and limitations of common valuation methods - be able to synthesize information into an essay linking ecological and natural resource economic principles 			
	Date	Time	Room	Topic
12 February	13-16	Kronan	Management across borders	Lovisa Nilsson
13 February	09-12	Björken	Introduction to Microeconomics (part 1)	Adan L. Martinez-Cruz
14 February	N/A	N/A	Self-study: Work on your study case	N/A
15 February	09-12	Björken	Monetary valuation methods for non-market ecosystem services	Adan L. Martinez-Cruz
16 February	09-12	Björken	Introduction to Macroeconomics (part 1)	Adan L. Martinez-Cruz

CW8: Resource economics, and research methods				
Expected learning outcomes		You should <ul style="list-style-type: none"> - be able to actively implement the conceptual microeconomic framework - be able to actively implement the conceptual macroeconomic framework - be able to identify the pros and cons of research methods for the specific context of your study case 		
Date	Time	Room	Topic	Lecturer
19 February	09-12	Björken	Introduction to Microeconomics (part 2)	Adan L. Martinez-Cruz
20 February	09-12	Björken	Introduction to Macroeconomics (part 2)	Adan L. Martinez-Cruz
21 February	N/A	N/A	Self-study: Work on your study case	N/A
22 February	09-12	Björken	Research methods (part 1) –experiments, trade-offs, causality, and scale	Adan L. Martinez-Cruz
23 February	09-12	Björken	Research methods (part 2) –there are no social- neither natural research methods, and don't get me started with the false qualitative versus quantitative division	Adan L. Martinez-Cruz

CW9: Study cases				
Expected learning outcomes	You should <ul style="list-style-type: none"> - be able to explain the main goal of your final product - be able to explain the reasoning behind your arguments - be able to place your work as part of a discourse 			
Date	Time	Room	Topic	Lecturer
26 February	09-12	Björken	Presentation of study cases	Adan L. Martinez-Cruz
27 February	09-12	Björken	Presentation of study cases	Adan L. Martinez-Cruz
28 February	N/A	N/A	Self-study: Work on your study case	N/A
29 February	13-16	Björken	Discussion of study cases	Adan L. Martinez-Cruz
01 March	09-12	Björken	Main take-aways	Adan L. Martinez-Cruz

CW10: Study cases				
Expected learning outcomes		You should - be able to complete your study case		
Date	Time	Room	Topic	Lecturer
04 March	09-12	Björken	What have we learnt? A conversation on what incorporating human dimensions is all about?	Adan L. Martinez-Cruz
05 March	N/A	N/A	Self-study: Work on your study case	N/A
06 March	N/A	N/A	Self-study: Work on your study case	N/A
07 March	09-12	Björken	Trade-offs between pets' and wildlife needs with humans' demands in Umea Preferences of Umea's residents for governance arrangements for urban green spaces	Suze Van Der Zwet Pedro Obregon
08 March	N/A	N/A	Self-study: Work on your study case	N/A

CW11: Study cases				
Expected learning outcomes		You should - be able to complete your study case		
Date	Time	Room	Topic	Lecturer
11 March	N/A	N/A	Self-study: Work on your study case	N/A
12 March	N/A	N/A	Self-study: Work on your study case	N/A
13 March	N/A	N/A	Self-study: Work on your study case	N/A
14 March	N/A	N/A	Self-study: Work on your study case	N/A
15 March	N/A	N/A	Self-study: Work on your study case	N/A

CW12: Study cases				
Expected learning outcomes		You should - be able to complete your study case		
Date	Time	Room	Topic	Lecturer
18 March	N/A	N/A	Deliver your study case	N/A
19 March	N/A	N/A	Deliver your study case	N/A
20 March	N/A	N/A	Deliver your study case	N/A



Additional lectures, seminars and assignments might be announced during the course