

ASPB 2020 –Content of the all lectures

ASPB1101 Introduction to the Arctic

Principal tutor: Jukka Jokimäki

Title of the lecture	Introduction to the Arctic and Boreal nature (2 hours)
Teacher	Jukka Jokimäki & Marja-Liisa Kaisanlahti-Jokimäki
Main content	General classification/types/distribution maps of Arctic/Boreal areas Differences between Arctic and Antarctic areas Special features of Arctic and Boreal areas; including physical characteristics, typical animal species Taiga forests; differences between natural and managed forests Threats of arctic/boreal fauna; including climate change Overview of the adaptation methods
Literature	
Key words	Arctic; Boreal; Nature; Species; Threats; Climate change

Title of the lecture	Natural resources in the northern areas (2 hours)
Teacher	Jukka Jokimäki & Marja-Liisa Kaisanlahti-Jokimäki
Main content	Amount, distribution and use of Arctic and Boreal natural resources
Literature	
Key words	Natural resources (oil, gas, timber etc.) Conflicts between different land use practices

Title of the lecture	Excursion to Ounasvaara and Visit to the exhibition of the Arktikum (8 hours)
Teacher	Jukka Jokimäki & Marja-Liisa Kaisanlahti-Jokimäki
Main content	Natural history and use of arctic and boreal environments; Natural history of Rovaniemi/Ounasvaara; forestry and recreational use of boreal environments; boreal forest types and tree species
Literature	
Key words	Arctic; Boreal; Nature; Species; Threats; Climate change

Title of the lecture	Introduction to Arctic Societies Lecture 1. North as space and place (2 hours)
Teacher	Anna Stammer-Gossmann
Main content	The aim of the lecture is to examine different definitions of the Arctic/North from representational viewpoint – concepts, images, discourses, views. The introduction gives also an overview of theoretical paradigms in Arctic studies on societies (indigeneity, sustainable development, vulnerability, adaptation) and local concepts of space and human-nature relations

Key words	Space definitions and concepts; space limits; homeland and frontier; Arctic studies: indigeneity, sustainable development, vulnerability, adaptation
Title of the lecture	Lecture 2. Living in the cold: Rendered spaces and lived places (2 hours)
Teacher	Anna Stammeler-Gossmann
Main content	The lecture is based on case studies conducted in different Arctic regions. It explores spaces and places presented, represented, sensed and experienced as a part of everyday practices, local and regional perspectives, and as affiliated national discourses. It looks at adaptation to winter in northern societies, practical applications of coldness, uses of winter, environmental changes and northern economies
Key words	Arctic communities; uses and perception of cold; environmental changes; northern economies (pastoralism, fisheries, tourism)
Literature	

Title of the lecture	The Arctic - Our Home (2 hours)
Teacher	Stephan Kirchner
Main content	The Arctic is not an empty space but home to millions of people. This lecture introduces the students to the Arctic, its biodiversity and its peoples and to some of the challenges the region faces.
Key words	Arctic homeland
Literature	

Title of the lecture	Arctic and Antarctic Information Resources (1 hours)
Teacher	Liisa Hallikainen
Main content	Where to find information on Arctic and Antarctic issues? Where to find maps on Arctic and Antarctic? Where to find information on indigenous peoples?
Literature	
Key words	Arctic information, Antarctic information, scientific information, information on indigenous peoples, searching for information

Title of the lecture	Arctic governance: Levels of governance, legal systems and international cooperation (2 hours)
Teacher	Adam Stepien
Main content	Brief overview of various levels of governance in the Arctic, defining "Arctic governance"; legal systems applicable to the Arctic and their sources (law of the sea, indigenous rights, environmental law, resource governance);

	international cooperation in the Arctic: its history, format, successes and challenges
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ASPB1102 Arctic Ecosystems and Adaptation of Species to Arctic Environment
Principal tutor Sari Stark

Title of the lecture (30 hours)	Tundra and boreal forest ecosystems (6 h)
Teacher	Mari Kuoppamaa
Main content	The evolution and distribution of tundra and boreal forest ecosystems, emphasizing vegetation, plant–animal interactions and natural and anthropogenic disturbance patterns and processes
Key words	Ecosystems, vegetation, plant-animal interactions, anthropogenic disturbance
Title of the lecture	Marine productivity and biodiversity (6 h)
Teacher	Sari Stark
Main content	Processes and global interactions affecting to marine productivity and biodiversity, interactions between marine and terrestrial ecosystems and threats to Arctic marine life
Key words	Marine productivity, marine biodiversity, marine ecosystems

Title of the lecture	Natural Selection and Adaptation of Endothermic Vertebrate Animals to Northern Environment (6 h)
Teacher	Osmo Rätti
Main content	Evolution and the theory of natural selection, morphological and behavioural adaptations of animals
Key words	Evolution, Natural selection, Adaptation

Title of the lecture	Physiological Adaptation of Endothermic Animals to Northern Environment (6 h)
Teacher	Päivi Soppela
Main content	Physiological and morphological adaptations of endothermic animals to northern environment; temperature regulation, cold adaptation, energy expenditure, hibernation, adipose tissues/fats, visual adaptation, reindeer, humans, climate change
Key words	Northern environment, cold climate, season, animals, adaptation, energy, thermogenesis, fats, brown fat
Title of the lecture	Adaptation of plants to northern environment (6 h)
Teacher	Minna Turunen
Main content	Morphological and physiological adaptations of plants to northern environment; responses and adaptations of plants to climate change
Key words	Northern environment, vegetation zone, plant, adaptation, timberline, climate change

ASPB1103: Arctic Governance and Law

Principal tutor: Kamrul Hossain

Title of the lecture	International Environmental Law in the Arctic (6 hours)
Teacher	Kamrul Hossain
Main content	<ul style="list-style-type: none">• Significance of Environmental Law in the Arctic• International Law and Environment• International Environmental Law: Law making process• Basic Principles of International Environmental Law• Reference to international regulations (and cases) applicable to the Arctic
	<ul style="list-style-type: none">•
Key words	International environmental law, principles of environmental law, treaties and framework convention, Arctic, indigenous peoples, human rights, biodiversity, marine environment.

Title of the lecture	International Climate Change Law and the Arctic (6 hours)
Teacher	Noor Punam
Main content	<ul style="list-style-type: none">• Objectives, Methods and Principles of International Climate Change Law• Phases of the UN Climate Regime, Compliance and Enforcement in the Climate Change Regime• Kyoto Protocol and Paris Agreement and the obligations of Arctic states towards them• Arctic Indigenous peoples' participation in shaping International Climate Change Law
Literature	<ul style="list-style-type: none">•
Key words	Arctic, climate change, indigenous peoples, human rights, participation

Title of the lecture	International Law of the Sea in the Arctic (6 hours)
Teacher	Pirjo Kleemola-Juntunen
Main content	The history of the international law of the sea and its codification. The contemporary legal regime governing maritime areas in the Arctic, in particular the 1982 United Nations Convention on the Law of the Sea (LOSC); maritime boundary delimitation, the rules governing different maritime zones, navigational rights and freedoms, protection and preservation of marine environment and IMO Conventions.
Literature	
Key words	law of the sea, Arctic, coastal states, navigational rights, marine pollution

Title of the lecture	Arctic cooperation and resource governance (6 hours)
Teacher	Adam Stepien
Main content	<ul style="list-style-type: none"> • Overview of the post-Cold War history and of the current status of Arctic politics and the regionalisation process • The institutions of Arctic cooperation and their modes of functioning (focus on the Arctic Council and regional law-making processes). • Actors in Arctic regional politics. • Multilevel governance of Arctic resource extraction
Literature	•
Key words	Arctic, Arctic Council, cooperation, Barents, politics, governance, resources

ASPB1104 People, Cultures and Identities of the Arctic

Principal tutor: Nuccio Mazzullo

Title of the lecture	Of reindeer herding, place and people: issues of perception among Finnish Northern Sámi
Teacher	Nuccio Mazzullo
Main content	The lecture shall explore, from an anthropological perspective, issues of identity and indigeneity among the Sámi people. It shall be an ethnographic account of herding, migration and social changes among the Sámi people of Finnish Lapland in order to illustrate the importance of reindeer herding to this day as a subsistence that goes beyond economic analyses and that calls for a more holistic approach. Despite a weakened economic importance, reindeer herding still plays a very important role in the social and cultural dimensions of Sámi society.
Literature	
Key words	Perception, traditional livelihoods, place and place-making
Review topic	
Review literature	

Title of the lecture	Cultural Changes among the Skolt Sami, especially in forms of livelihood and in relations to natural resources
Teacher	Panu Itkonen
Main content	The lecture describes changes in Skolt Sami forms of livelihood during last hundred years. Moreover, the lecture analyzes changes in Skolt Sami people's relation to nature and natural resources.
Literature	
Key words	Notions of Northernness/Arcticness, identity building in arctic Russia

Title of the lecture	Practicalities for Co-management in National Parks: A Cross-regional Perspective
Teacher	Ayonghe Akonwi Nebasifu

Main content	Co-management (collaborative/cooperative management) is a concept the anthropologists of the 20 th and 21 st century use to address the mechanisms for joined decision-making, power and benefit sharing between various actors in the management of natural resources. For instance, where human communities locate adjacent to National Parks, the emergence of multi-stakeholder interventions have been eminent in an effort to safeguard biodiversity and local culture. However, collaborative measures vary across regions and cultures. For instance, between the Arctic and Equatorial regions of the world, where complex observations exist. In perspective, two case studies are of interest in this lecture: (1) the Sirmilik National Park in the Canadian Arctic largely used by Inuit people, and (2) the teacher's own experience of the Mount Cameroon National Park in sub-Saharan Africa which is dominantly used by the Bakweri people. This lecture will familiarize students about the importance and challenges of applying co-management procedures, identifying key actors, and understanding strategic relations between them. Through group exercises, students will be able to diagnose and develop a co-management framework of their own.
Literature	1.
Key words	Co-management, Local Culture, People, National Parks

Title of the lecture	People and the land in the Arctic
Teacher	Florian Stammer
Main content	It is no secret that land is the key resource for Arctic indigenous peoples to continue their livelihoods forming the base of Arctic cultures. However, only few if any indigenous peoples had formal ownership of their land before they had to defend their rights to incoming people who advanced intensive land use in the Arctic. This lecture(s) introduces some key examples of indigenous perceptions of land rights, land use practices and cooperation among different indigenous users of the same land. In these examples, rather than a notion of formal ownership, the entitlements of people to the land base on knowing its resources and the cooperation in engaging with them in daily practice. Using a case-study approach from the Yamal-Nenets, the Yakutian Evenki, and the Kamchatkan Eveny with some comparative outlook to the Norwegian Lule-Sámi, we shall explore together the multiple layers that lie behind current notions of land ownership in the Arctic.
Literature	
Key words	Indigenous, land rights, issues of ownership and cooperation
Review topic	
Review literature	

Title of the lecture	Sámi Religion, Culture, Identity and Art
Teacher	Francis Joy

Main content	The aims of the lecture are to examine the role and function art plays in relation to an embedded knowledge system, which is representative of identity, culture and cultural memory, through an examination of different art forms and landscapes.
Literature	
Key words	Art, embedded knowledge system, identity, culture, cultural memory
Review topic	-
Review literature	

Title of the lecture	Cultures, identities and peoples of Siberia and the Russian North
Teacher	Stephan Dudeck
Main content	The lecture deals with the history of the category of the Small Numbered Indigenous Peoples of the Russian North, Siberia and the Far East in Czarist Russia, the Soviet Union and post-Soviet Russia. We will have a look into the main forms of nature use in the Russian Arctic - reindeer herding, fishing, extractive industries etc. The lecture gives an overview of the main branches of economy but also cultural practices like religion, oral traditions and languages among Siberian peoples. It will provide an historic overview of the colonisation of the Russian North from military conquest through scientific exploration to industrial development.
Literature	
Key words	Economy, religion, oral traditions, languages, Siberian peoples

Title of the lecture	Sámi handicraft and communities of practice
Teacher	Nuccio Mazzullo
Main content	The lecture will address issues of learning and sharing of practices of making handicraft among the Sámi. We shall compare with other systems of learning and with the influences of tourism and mass production. We shall also address the differences between the notion of handicraft and that of art.
Literature	
Key words	Situated learning, handicraft, cognitivism, handicraft and arts
Essay literature	

Seminar	Group presentations on four different themes
Teacher	Nuccio Mazzullo <i>et al.</i>
Main Themes	<ol style="list-style-type: none"> 1) <i>Worldview in the Arctic: religion, belief, shamanism</i> 2) <i>Knowledge, knowledge systems and traditional subsistence activities.</i> 3) <i>Different discourses on the concept of indigeneity</i> 4) <i>Issues of identity, Space and Territoriality</i>
Literature	Course literature
Key words	Team-work, presentation skills, synthetic skills.
Review topic	
Review literature	

ASPB1105 Human Rights and Human Security in the Arctic

Principal tutor: Stefan Kirchner

Title of the lecture	Introduction to Human Rights and Human Security in the Arctic (6h)
Teacher	Stefan Kirchner
Main content	Arctic governance and international law, global and local threats to human security in the Arctic, human rights obligations
Literature	
Key words	Arctic governance, security, safety, human rights

Title of the lecture	Food Resilience and Sovereignty in the Arctic (6h)
Teacher	Dele Raheem
Main content	In this lecture we will explore why the food system need to change, understand the relationship between climate change, agriculture and food security. What does food sovereignty entail in the Arctic context? What is the common language between policy makers, academics, and grassroots activists towards resilience and food security.
Literature	
Key words	food security, food safety, nutrition, climate change, food, sustainability

Title of the lecture	Digitalization and Cybersecurity in the Arctic (6h)
Teacher	Mirva Salminen
Main content	TBC
Literature	
Key words	digitalisation, connectivity, cybersecurity, human security, responsabilisation, digital rights

Title of the lecture	Introduction to Cultural Heritage Law and Heritage rights of Russian Arctic communities (6h)
Teacher	Karolina Sikora
Main content	The lecture will address the basics of international cultural heritage law and explore the issue of human rights approach to cultural heritage. The theoretical discussion will be put in the context of rights to heritage of Russian Arctic communities
Literature	
Key words	international cultural heritage law, indigenous rights, human rights dimension of heritage

ASPB1106 (1) Optional course Credits 5 ECTS

Indigenous (Sámi) spirituality and religious beliefs

Principal tutor: Francis Joy

The focus for the course is to provide participants with a broad and comprehensive understanding and series of insights into Sámi religion and spiritual traditions, both past and present. Moreover, the critical function religions and spirituality plays within Sámi society.

ASPB1106 (2) Optional course Credits 1 ECTS

Food security and sovereignty in the Arctic

Principal tutor: Dele Raheem

Content

- Global Food security definition
- Resilience and coping mechanisms to ensure food security for individuals and households in the Arctic
- Food system and its complexity
- Transforming the food system
- The role of local movements in driving the future food system
- Food system and the UN SDGs
- What it means to be food sovereign?
- How can food sovereignty be used as a trans-regional framing device in the debate of eco-cultural issues and other dialogues?
- The Arctic food industry

ASPB1106 (3) Optional course 1 ECTS (6 h)

Arctic: home for people and animals

Principal tutor: Terhi Vuojala_Magga

The course is focused on the relation between people in the northern communities of Lapland and semi-domesticated/domesticated animals. Human approaches towards animals will be compared with animals' life in human proximity as well as in wilderness.