BI1434 Skogsekologi och naturvård, ht 2025

Updated: 12 August 2025

**BI1434**

**Skogsekologi och naturvård**

**Forest Ecology and Conservation Biology**

This schedule may undergo minor changes during the course. The latest version is available on the course homepage.

\*Indicates mandatory sessions

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| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Time** | **Room** | **Type** | **Title** | **Instructor** | **Reading** |
| **Introduction** | | | | | |  |
| Mon 01 Sep | 13.00-15.00 | Vita Havet | Lecture | Course Introduction | FAJ/SFH |  |
| Tue  02 Sep | 10.00-12.00 | Vita Havet | Lecture | Introduction to forest ecology and conservation biology | SFH | Routledge 1  Ecology 23 |
|  | 13.00-15.00 | Vita Havet | Lecture | Introduction to term project | SFH |  |
| **Introduction to Conservation Biology** | | | | | |  |
| Wed 03 Sep | 10.00-12.00 | Vita Havet | Lecture | Forest Biodiversity | AMH | Routledge 2, 21  + Choose one of Routledge 3, 4, or 5 |
| Thu  04 Sep | 10.00-12.00 | Sibirien | Lecture | Values and ethics in conservation biology | FAJ/SFH |  |
|  | 13.00-15.00 | Vita Havet | Debate | Values and Ethics | FAJ /SFH |  |
| Fri  05 Sep | 10.00-12.00 | Vita Havet | Literature seminar\* | Literature Seminar | FAJ | Bradshaw et al (2021) *Frontiers in..* |
|  | 13.00-15.00 | Vita Havet | Lecture | Forest Management | FAJ | Ecology 11 |
| Mon 08 Sep | 09.00-12.00 | Vita Havet | Lecture | South African Forest Biodiversity? | RCS (guest lecturer) |  |
| **Excursions for Conservation Planning** | | | | | |  |
|  | 13:00-16.00 |  |  | Excursion  Degersjön | FAJ /SFH |  |
| Tue  09 Sep | 08.45-12.00 |  |  | Excursion  Management plan location | FAJ /SFH/NR |  |
|  | 13:00-16.00 |  |  | Excursion  Grössjön | Marlene Olsson  FAJ /SFH |  |
| **Community Ecology** | | | | | |  |
| Wed 10 Sep | 10.00-12.00 | Vita Havet | Lecture | Plant Functional Traits | CS | Ecology 16 |
| Thu  11 Sep | 10.00-12.00 | Vita Havet | Lecture | Plant – Soil Feedback | CS |  |
|  | 13.00-15.00 | Vita Havet | Lecture | Plants – Fungi and Mycorrhizal Networks | SFH | Routledge 22 |
| Fri  12 Sep | 10.00-12.00 | Sibirien | Lecture | Trophic Cascades | RS | Ecology 21 |
|  | 13.00-16.00 |  | Lab\* | Isle Royale |  |  |
| **Ecosystem Ecology** | | | | | |  |
| Mon  15 Sep | 13.00-16.00 |  | Lab\* | Community Dynamics |  |  |
|  | 13.00-15.00 | Vita Havet | Lecture | Invasive Species | NR |  |
| Tue  16 Sep | 10.00-12.00 |  | Lab\* | Decomposition |  |  |
|  | 13.00-  15.00 | Vita Havet | Lecture | Forest Ecosystems (incl. C and N) | MG | Routledge 23, 25  Ecology 22 |
| Wed  17 Sep | 10.00-12.00 | Vita Havet | Lecture | Forest Succession | MG | Routledge 10 |
| Thu  18 Sep | 10.00-12.00 | Vita Havet | Lecture | Forest Diversity, Function, and Resilience | MG |  |
|  | 13.00-  15.00 | Bokskogen | Workshop\* | Finding Information | JP |  |
| Fri  19 Sep | 10.00-12.00 | Sibirien | Literature Seminar\* | Literature Seminar | SFH | Bastin et al (2019) *Science* |
|  | 13.00-16.00 |  | Lab\* | Intermediate Disturbance Hypothesis |  |  |
| **Behavioural Ecology** | | | | | |  |
| Mon  22 Sep | 10.00-12.00 | Vita Havet | Lecture | Animal Behaviour | AB |  |
|  | 13.00-15.00 | Sibirien | Lecture | Sociality | AB |  |
| Tue  23 Sep | 10.00-12.00 |  | Lab\* | Behavioural Ecology |  |  |
|  | 13.00-15.00 |  |  | Open time |  |  |
| Wed  24 Sep | 10.00-  12.00 | Vita Havet | Literature seminar\* | Literature Seminar | SFH | Bello et al (2015) *Science* |
| Thu  25 Sep | 10.00-12.00 | Sibirien |  | Term Project Meetings | FAJ/ SFH |  |
|  | 13.00-15.00 |  |  | Open time |  |  |
| Fri  26 Sep | 10.00-12.00 | Sibirien | Workshop\* | Writing Workshop | MW |  |
|  | 13.00-16.00 |  | Lab\* | Genetic Drift and Bottlenecked Ferrets |  |  |
| **Evolutionary Ecology** | | | | | |  |
| Mon 29 Sep | 10.00-12.00 | Vita Havet | Lecture | Population Genetics | AN | Ecology 6 |
|  | 13.00-15.00 |  | Lab\* | Finches and Evolution |  |  |
| **Population Ecology** | | | | | | |
| Tue  30 Sep | 9.00-12.00 | Sibirien | Workshop | Population Growth Models | TH (10-12) | Ecology 9, 10 |
|  | 13.00-  15.00 | Sibirien | Lecture | Population Ecology I | TH |  |
| Wed  01 Oct | 10.00-12.00 | Vita Havet | Lecture | Population Ecology II | TH |  |
| **Landscape Ecology** | | | | | |  |
| Thu  02 Oct | 10.00-12.00 | Vita Havet | Lecture | Landscape Ecology | EH | Routledge 30  Ecology 18 |
|  | 13.00-16.00 |  | Lab\* | Patchy Prairies |  |  |
| Fri  03 Oct | 10.00-12.00 | On your own | Reading | Landscape Genetics |  | Feng & Du (2022) *Frontiers in…* |
|  | 13.00-16.00 |  |  | Excursion |  |  |
| **Forest Conservation** | | | | | |  |
| Mon  06 Oct | 10.00-12.00 | Vita Havet | Lecture | Restoration Ecology I | JS |  |
|  | 13.00-15.00 | Vita Havet | Lecture | Restoration Ecology II | FAJ |  |
| Tue  07 Oct | 10.00-12.00 | Vita Havet | Lecture | Nature Preservation and Protected Areas | JS |  |
|  | 13.00-15.00 | Vita Havet | Lecture | Climate change | FAJ | Routledge 36 |
| Wed  08 Oct | 10.00-12.00 | Vita Havet | Lecture | Local to Global – Challenges and Solutions | SMH |  |
| Thu  09 Oct | 10.00-12.00 | Vita Havet | Lecture | Conservation in Practice – Successes and Failures | SMH |  |
|  | 13.00-15.00 | Vita Havet | Lecture | International perspectives of conservation | AM  RCW (guest lecturer) | Routledge 6  Routledge 28 |
| Fri  10 Oct | 10.00-12.00 | Sibirien | Lecture | Plants and fungi in forest succession | VB |  |
|  | 13.00-15.00 |  | Lab\* | Climate Change |  |  |
| Mon  13 Oct | 10.00-12.00 | Vita Havet  + field | Lecture  + field | Quantifying biodiversity | FAJ/SFH |  |
|  | 13.00-16.00 | Field +  Vita Havet | + data processing | Quantifying biodiversity  Exercise | FAJ/SFH |  |
| Tue  14 Oct | 10.00-12.00 | Vita Havet | + open traps | Process data | NR |  |
|  | 13.00-15.00 | Vita Havet | Lecture | AI activity | FAJ/SFH |  |
| **Term Project** | | | | | |  |
| Wed  15 Oct | 10.00-12.00 |  | Self Study | Term Project |  |  |
| Thu  16 Oct | 10.00-12.00 |  | Self Study | Term Project |  |  |
|  | 13.00-15.00 |  | Self Study | Term Project |  |  |
| Fri  17 Oct | 10.00-  12.00 |  | Self Study | Term Project |  |  |
|  | 13.00-  15.00 |  | Self Study | Term Project |  |  |
| Mon  20 Oct | 09.00-12.00 |  | Self Study | Term Project |  |  |
|  | 13.00-  15.00 |  | Self Study | Term Project |  |  |
| Tue  21 Oct | 09.00-16.00 |  | Self Study | Term Project |  |  |
|  | 13.00-  15.00 |  | Self Study | Term Project  Written Due: 23:59 |  |  |
| Wed  22 Oct | 09.00-16.00 |  | Self Study | Term Project |  |  |
| Thu  23 Oct | 13.00-  14.00 |  | Self Study | Study Time |  |  |
| Fri  24 Oct | 09.00-16.00 |  | Self Study | Study Time |  |  |
| **Final Exam** | | | | | |  |
| Mon  27 Oct | 09.00-12.00 | Vita Havet | \* | Oral Presentations |  |  |
|  | 13.00-16.00 |  | Self Study | Study Time |  |  |
| Tue  28 Oct | 10.00-12.00 |  | Self Study | Study Time |  |  |
|  | 13.00-16.00 |  | Self Study | Study Time |  |  |
| Wed  29 Oct | 09.00-12.00 |  | Exam | Written Exam |  |  |
| Thu  30 Oct | 09.00-12.00 | Enbäret | Exam | Oral Exam | FAJ/SFH |  |
|  | 13.00-14.00 | Vita Havet | Lecture\* (Mandatory) | Course Conclusion | FAJ/SFH |  |

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| **Course Leaders** | |  |
| FAJ | Faith Jones | Institutionen för vilt, fisk och miljö |
| SFH | Stefan Hupperts | Institutionen för skogens ekologi och skötsel |
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| **Course Instructors** | |  |
| AB | Aneesh Bose | Institutionen för vilt, fisk och miljö |
| AMH  AM | Anne-Maarit Hekkala  Annrose | Institutionen för vilt, fisk och miljö  Institutionen för skogens ekologi och skötsel |
| AM | Annrose Mwangi | Institutionen för skogens ekologi och skötsel |
| AN | Anita Norman | Institutionen för vilt, fisk och miljö |
| CS | Clydecia Spitzer | Institutionen för skogens ekologi och skötsel |
| EH | Eliza Hasselquist | Institutionen för skogens ekologi och skötsel |
| JP | Jonas Petersson | Library |
| JS | Johan Svensson | Institutionen för vilt, fisk och miljö |
| MG | Michael Gundale | Institutionen för skogens ekologi och skötsel |
| MS | Maja Sundqvist | Institutionen för skogens ekologi och skötsel |
| MW  NR | Maria Wiklund  Nolan Rappa | Library  Institutionen för vilt, fisk och miljö |
| RCS | Rudi C Swart | Nature's Valley Trust, South Africa. Guest Lecturer. |
| NR | Nolan Rappa | Institutionen för vilt, fisk och miljö |
| RS | Robert Spitzer | Institutionen för vilt, fisk och miljö |
| SMH | Sheila Holmes | Institutionen för vilt, fisk och miljö |
| TH  VB | Tim Hofmeester  Vincent Buness | Institutionen för vilt, fisk och miljö  Institutionen för skogens ekologi och skötsel |
| VB | Vincent Buness | Institutionen för skogens ekologi och skötsel |