

SVF-8600 Philosophy and ethics of science, 29 January – 9 February 2018 (6 ECTS)

Location: Norwegian College of Fishery Science (NFH)

Required readings: Available in Fronter

Exam: One written assignment to be handed in before the course; one oral presentation (5-10 minutes) during the course, and one final essay (10 pages) to be submitted by 9 March 2018

Course coordinator: Peter Arbo, A 408, NFH, BFE (peter.arbo@uit.no, phone: 77 64 65 43)

Please note that participation in lectures and seminars is obligatory

Monday 29 January (room D-111)

09:15 – 10:00 Welcome and introduction to the course (Peter Arbo)

10:15 – 11:00 Why philosophy of science? (Peter Arbo)

11:15 – 12:00: Observation and theory (Michael Morreau)

12:00 – 13:00 Lunch

13:00 – 14:00 Popper vs. Kuhn (Michael Morreau)

14:00 – 16:00 Seminar groups

Wednesday 31 January (room D-109)

09:15 – 10:00 Challenges for collective judgement (Michael Morreau)

10:15 – 11:00 Science as a social institution (Peter Arbo)

11:15 – 12:00 Seminar groups

12:00 – 13:00 Lunch

13:00 – 14:30 «12 Angry Men», a film about a jury deliberating the case of an 18-year old boy on trial for allegedly stabbing his father to death

14:30 – 16:00 Seminar groups

16:00 – 19:00 Social gathering in the BFE canteen with food and beverage

Friday 2 February (room D-111)

09:15 – 10:00 Science: Theory and method (Raul Primicerio)

10:15 – 11:00 Round table

11:15 – 12:00 Reproducibility and inference under uncertainty (Nigel Yoccoz)

12:00 – 13:00 Lunch

13:00 – 14:00 Causal inference: confounding and statistical evidence (Nigel Yoccoz)

14:00 – 16:00 Seminar groups

Monday 5 February (room D-109)

09:15 – 11:00 Modelling in basic and applied science (Raul Primicerio)

11:15 – 12:00 Naturalist versus constructivist approaches (Peter Arbo)

12:00 – 13:00 Lunch

13:00 – 14:00 Seminar groups

14:00 – 16:00 From mono- to transdisciplinarity (Melania Borit)

Wednesday 7 February (room D-109)

09:15 – 11:00 Ethical theory (Attila Tanyi)

11:15 – 12:00 Environmental ethics (Fern Wickson)

12:00 – 13:00 Lunch

13:00 – 14:00 Writing essays (Peter Arbo)

14:00 – 16:00 Seminar groups

Friday 9 February (room D-111)

09:15 – 12:00 Guidelines for research ethics & supervisor/student relationship (Michaela Aschan)

12:00 – 13:00 Lunch

13:00 – 14:00 Seminar groups

14:15 – 16:00 Summing up, practical information, and course evaluation