**Decision Analysis and Bayesian Methods: 21– 25 September**

*Friday Harbor Labs*

**Day 1 (21 Sept)**

13h00: Welcome

13h30: A. Statistical Background

15h00: Break

15h30: B. Production models, age-structured models and size-structured model-I

17h30: Close

**Day 2 (22 Sept)**

08h30: Example Application (growth curve) [assignment #1]

09h30: Example Application (predation functions) [assignment #2]

10h00: Working Break

11h00: C. Overview of Decision Analysis

12h00: Lunch

13h00: C. Overview of Decision Analysis

14h00: D. Projecting ahead (The Basics)

15h00: Break

15h30: E. Examples of Decision Analysis

17h00: Close

**Day 3 (23 Sept)**

08h30: F. Bayes Rule

10h00: Break

10h30: G. Bayesian integration using the SIR algorithm

12h00 Lunch

13h00: Example Application (SIR assessment) [assignment #3]

15h00: Break

15h30: H. Bayesian integration (MCMC I)

17h00: Close

Day 3 Homework Assignment

**Day 4 (24 Sept)**

08h30: I. Bayesian integration (MCMC II)

09h30: Example Application (MCMC assessment model) [assignment #4]

10h00: Break

10h30: Assignment #4 continued

12h00: Lunch

13h00: J. Bayesian Meta-Analysis - I

15h00: Break

15h30: K. Bayesian Meta-Analysis – II

17h00: Close

Day 4 Homework Assignment

**Day 5 (25 Sept)**

08h30: Project discussion

09h00: Example application (decision analysis) [assignment #5]

10h00: Break

10h30: Example application (decision analysis) [assignment #5]

12h00: Homework assignment: self-reflection

12h30: Wrap up and lunch