

COD ACADEMY COURSE
DRAFT Training Syllabus- 2011

CLASSDAY 1 (Thursday, January 20)

INTRODUCTION - Sebastian Belle, Nick Brown, Chris Heinig

- A. Outline of training program
- B. Introduction to aquaculture
- C. Farmer's stewardship responsibilities
- D. Basic marine ecology
- E. Basic water chemistry
- F. Environmental monitoring
- G. Record keeping

CLASSDAY 2 (Thursday, January 27)

PHYSIOLOGY AND BEHAVIOR- Nick Brown, George Nardi

- A. Basic fish physiology – Hands on Lab 1 at CCAR (Center for Cooperative Aquaculture Research in Franklin)
- B. Basic fish behavior – Hands on Lab 2 at GBA (Great Bay Aquaculture)

CLASSDAY 3 (Thursday, February 3)

MARKETING- general principles and case studies – Grace Cleaves w case study examples

CLASSDAY 4 (Thursday, Feb. 10)

ANIMAL HEALTH AND WELFARE – Bill Kelleher, Steve Backman

CLASSDAY 5 (Thursday, February 17)

INTRODUCTION TO BUSINESS TRAINING - Ruth Cash-Smith & Betty Egner w case study examples

CLASSDAY 6 (Thursday, March 3)

NUTRITION AND FEEDING - Linda Kling, Skretting representative
Classes and Hands on Lab 3 at GBA site in Franklin - Feeding cod

CLASSDAY 7 (Thursday, March 10)

ACCOUNTING AND FINANCIAL MANAGEMENT- Janet Roderick w case study examples

CLASSDAY 8 (Thursday, March 17)

ANIMAL HUSBANDRY - Sebastian Belle, George Nardi

- A. Farmer's stewardship responsibilities
- B. Basic husbandry methods (Hands on Lab 4 fish weight sampling at CCAR)
- C. Responsible fish handling (Hands on lab 5 fish anesthesia 101 at CCAR)
- D. Monitoring impacts of husbandry methods
- E. Performance monitoring
- F. Record keeping

CLASSDAY 9 (Thursday, March 24)

MAKING SENSE OF BORROWING Ruth Cash-Smith, Betty Egner w case study examples

- A. Credit & short-term financing options
- B. Financing & loan packaging
- C. Cash flow projections
- D. Post class special project- one on one availability for business plan work

CLASSDAY 10 (Thursday, March 31)

HATCHERY AND LARVAL METHODS - George Nardi, Nick Brown

- A. Basic reproductive and larval biology
- B. Basic hatchery methods – Hands on Lab 6 at CCAR
- C. Larval & juvenile health and growth
- D. Larval and juvenile condition assessment
- E. Juvenile transport methods and stocking considerations

CLASSDAY 11 (Thursday, April 7)

BUSINESS PRINCIPLES SPECIFIC TO COD FARMING – Presenters TBD
With case study examples and business plan overview and assignment

CLASSDAY 12 (Thursday, April 14)

SITE SELECTION & PERMITTING - Sebastian Belle, Chris Heinig

- A. Site selection
- B. Permitting
- C. Site carrying capacity and environmental monitoring and management
- D. Equipment selection
- E. Farm layout and installation
- F. Record keeping

Hands-on group project to complete state lease application

CLASSDAY 13 (Thursday, April 28)

FARM MANAGEMENT – Skretting representative, Sebastian Belle, Clarence Blanchard
Guest speaker - Clarence from Future Nets

Hands on Lab 7 – cage installation, GBA site

CLASSDAY 14 (Thursday, May 5)

FARM MANAGEMENT II - George Nardi, Sebastian Belle

- A. Best management methods
- B. Marine operations and logistics
- C. Preventative maintenance
- D. Safety and site security
- E. Site marking and collision avoidance
- F. Site security
- G. Record keeping

Hands on Lab 8- grading, harvesting, net management– GBA site

CLASSDAY 15 (Thursday, May 12)

FARMER'S RESPONSIBILITIES - Sebastian Belle with instructors as needed

One on one help with lease application or business plan project.

NOTE: A week 16 snow cancellation make-up date will be built into the schedule on May 19.
The course outline and schedule are tentative only and subject to change if circumstances require.