

University of Florida

Academic Affairs

Academic Colleges

College of Agricultural & Life Sciences

Certificates

Quantitative Fisheries Science

**Quantitative Fisheries Science Graduate Certificate Mission**

The Quantitative Fisheries Science graduate certificate program supports the missions of the college and university to serve the nation's and state's critical needs by contributing to a well-qualified and broadly diverse citizenry, leadership, and workforce. Specifically, this certificate will allow working professionals with a background in aquatic sciences (marine and/or freshwater) to gain additional skills and understanding in the quantitative methods used to assess, and manage, fish populations. Several federal and state agencies have identified a significant deficiency of individuals trained in these quantitative skills, and have asked (and are supporting financially) increased preparation of current professionals in this field.

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**2014-15 SLO 1: Knowledge**

Apply theoretical and technical knowledge of quantitative (mathematical and statistical) sciences to fisheries research and management problems.

**SLO Area (select one):** Knowledge (Grad)

**Assessment Method**

SLOs will be assessed through a mandatory pre-completion exam which covers all subject matter described above. This exam will be scored for SLO purposes only, and will not impact the student's academic standing.

An exam score of 70% is considered a passing score for SLO assessment purposes.

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**2014-15 SLO 2: Skills**

Design and conduct quantitative fisheries stock assessments.

**SLO Area (select one):** Skills (Grad)

**Assessment Method**

SLOs will be assessed through a mandatory pre-completion exam which covers all subject matter described above. This exam will be scored for SLO purposes only, and will not impact the student's academic standing.

An exam score of 70% is considered a passing score for SLO assessment purposes.

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**2014-15 SLO 3: Skills**

Provide fisheries management advice based on quantitative fisheries assessment and management strategy evaluations.

**SLO Area (select one):** Skills (Grad)

**Assessment Method**

SLOs will be assessed through a mandatory pre-completion exam which covers all subject matter described above. This exam will be scored for SLO purposes only, and will not impact the student's academic standing.

An exam score of 70% is considered a passing score for SLO assessment purposes.

**2014-15 SLO 4: Skills**

Analyze and synthesize quantitative fisheries assessment results for use in management decision making contexts such as fisheries commissions.

**SLO Area (select one):** Skills (Grad)

**Assessment Method**

SLOs will be assessed through a mandatory pre-completion exam which covers all subject matter described above. This exam will be scored for SLO purposes only, and will not impact the student's academic standing.

An exam score of 70% is considered a passing score for SLO assessment purposes.

**Quantitative Fisheries Science AAP Detail**

**Start:** 7/1/2014

**End:** 6/30/2015

**Progress:** Ongoing

**Providing Department:** Quantitative Fisheries Science

**Responsible Roles:** Dean (Turner, R)

**Research (Graduate and Professional AAPs only)**

**Assessment Timeline (Graduate and Professional AAPs only)**

**Curriculum Map (UG AAPs only)**

**Assessment Cycle (All AAPs)**

Quantitative Fisheries Science

College of Agricultural and Life Sciences

Analysis and Interpretation:

May – June annually

Improvement Actions:

Completed by August 1 of each year

Dissemination:

Completed by September 1 of each year

SLOs	Year	14-15	15-16	16-17	17-18
#1		X	X	X	X
#2		X	X	X	X
#3		X	X	X	X
#4		X	X	X	X

**Methods and Procedures (UG and Certificate AAPs) & SLO Assessment Matrix (UG AAPs only)**

SLOs will be assessed through a mandatory pre-completion exam covering topics addressed in core and elective certificate courses. This exam will be scored for SLO purposes only, and will not impact the student's academic standing.

An exam score of 70% is considered a passing score for SLO assessment purposes,

**SLO Assessment Rubric (All AAPs)**

**Measurement Tools (Graduate and Professional AAPs Only)**

**Assessment Oversight (All AAPs)**

Name	Department Affiliation	Email Address	Phone Number
Scott A. Sager	School of Forest Resources & Conservation	<a href="mailto:sasager@ufl.edu">sasager@ufl.edu</a>	352-846-0846
Bill Lindberg, Graduate Coordinator	School of Forest Resources & Conservation	<a href="mailto:wjl@ufl.edu">wjl@ufl.edu</a>	352.273.3616
Mike Allen	School of Forest Resources & Conservation	<a href="mailto:msal@ufl.edu">msal@ufl.edu</a>	352.273-3624
Rob Ahrens	School of Forest Resources & Conservation	<a href="mailto:rahrens@ufl.edu">rahrens@ufl.edu</a>	352-273-3630

**Academic Assessment Plan Entry Complete:**