

**Applied Mathematics - Ph.D. Study Advisory Plan**

Name: \_\_\_\_\_ Application Area: Oceanography/Meteorology

**COURSES WITH MATHEMATICAL CONTENT: 18 credits**

(At least 9 credits must be at 600-800 level, 3 credits Numerical Analysis)

Semester	Course #	Title	Grade	Credits	Comment
	AMSC666	Numerical Analysis I		3	
	AMSC667	Numerical Analysis II		3	
	MATH670	Ordinary Differential Equations I		3	
	MATH671	Ordinary Differential Equations II		3	
	AMSC614	Finite Element Methods		3	
	STAT420	Intro. to Statistics		3	

Number of mathematical content credits: 18

**APPLICATION COURSES: 6-9 Credits**

(6 credits at 600-800 level or 9 credits with at least 3 credits at 600-800 level)

Semester	Course #	Title	Grade	Credits	Comment
	AOSC610	Dynamics of the Atmosphere and Ocean I		3	
	AOSC611	Dynamics of the Atmosphere and Ocean II		3	

Number of applications courses credits: 6

**ELECTIVES: (3 courses/9 credits)**

Semester	Course #	Title	Grade	Credits	Comment
	AOSC614	Atmos. Modeling and Data Assimilation		3	
	AOSC615	Adv. Methods in Data Assimilation		3	
	AOSC670	Physical Oceanography		3	

Number of elective credits: 9

**SEMINAR (2 credits)**


Number of seminar credits: \_\_\_\_\_

**Total number of credits (must be at least 36): \_\_\_\_\_**

**WRITTEN EXAMS:**

**DATE PASSED**

1.	
2.	
3.	
<b>Course Work Based Exams:</b>	
<b>ORAL (CANDIDACY) EXAM:</b>	<b>Semester/Yr</b>

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*Dissertation Research: 12 Credits NOTE: Please Attach Comments, Transfer Courses, etc.*

## Applied Mathematics - Ph.D. Study Advisory Plan

### AMSC Study Advisory Committee:

(Your signature indicates approval of the student's Study Advisory Plan)

1. \_\_\_\_\_ (Chair)  
Name (AMSC Faculty – Math/Application)      Signature      Date
  
2. \_\_\_\_\_  
Name (AMSC Faculty – Math)      Signature      Date
  
3. \_\_\_\_\_  
Name (AMSC Faculty – Application)      Signature      Date

<b>AMSC Graduate Committee Approval</b> _____ <b>Date</b> _____
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### Proposed Changes/Comments:

- \_\_\_\_\_ Committee Member Not AMSC Faculty
- \_\_\_\_\_ Insufficient Math Content
- \_\_\_\_\_ Core Science Course(s) Not Acceptable
- \_\_\_\_\_ Supporting Courses Not Appropriate
- \_\_\_\_\_ Other - \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
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