**Course Information**

Department of Applied Mathematics

University of Washington

Seattle, WA 98195-2420

For the course topics listed below, please indicate where you have covered the material (course numbers and names, self study, etc), what books (titles and authors) were used, and which topics were covered. Include the grade you received if material was covered in a course. Be as inclusive as you see fit. It is not necessary to have covered all these topics to be admitted to the PhD program. If you have not seen a topic, simply leave the answer area blank.

* **Ordinary differential equations**

None recent

* **Linear algebra**

None recent

* **Numerical analysis, computer programming, scientific computing**

AMATH 581, Scientific Computing  
UW, Autumn 2011 – 3.5

AMATH 582, Computational Methods for Data Analysis  
UW, Winter 2012 – 3.8

LING 572, Advanced Statistical Natural Language Processing  
UW, Winter 2006 – 4.0

LING 573, Natural Language Processing Systems / Applications  
UW, Spring 2006 – 4.0

MATH 515, Fundamentals of Optimization  
UW, Winter 2006 – 3.4

* **Partial differential equations**

AMATH 503 *planned for Spring 2014*

* **Complex variables**

AMATH 501, Vector Calculus and Complex Variables  
UW, Winte2010 – 3.2

* **Probability and Statistics**

EE 505, Probability and Random Processes  
UW, Summer 2007 – 3.9

* **Advanced Calculus and/or real analysis**

None recent

* **Courses for the completion of the degree**

AMATH 501, Vector Calculus and Complex Variables  
UW, Autumn 2010 – 3.2

AMATH 502, Introduction to Dynamical System and Chaos  
UW, Winter 2011 – 3.2

AMATH 503, Methods in Partial Differential Equations  
*planned for Spring 2014*

AMATH 581, Scientific Computing  
UW, Autumn 2011 – 3.5

MATH 515, Fundamentals of Optimization  
UW, Winter 2006 – 3.4

AMATH 582, Computational Methods for Data Analysis  
UW, Winter 2012 – 3.8

EE 505, Probability and Random Processes  
UW, Summer 2007 – 3.9

LING 572, Advanced Statistical Natural Language Processing  
UW, Winter 2006 – 4.0

LING 573, Natural Language Processing Systems / Applications  
UW, Spring 2006 – 4.0