

Department of Mathematics & Statistics

| 17013G Math Specialization – Core Courses | MHF3202 Set Theory & Logic | STA3162C Applied Statistics | STA4321 Intro to Math-Stat I | MAD4401 Numerical Analysis | MAT4500 Proseminar | MAA4211 Advanced Calculus I |
|---|---|--|---|---|-------------------------------|--|
| Domains/SLOs: | | | | | | |
| Content | | | | | | |
| 1. Recognize and apply the principles of abstract mathematics | | | | | | X |
| 2. Describe and use principles of computational and applied mathematics. | | | | X | | |
| 3. Recognize principles of theoretical and applied statistics | | | X | | | |
| Critical Thinking | | | | | | |
| 1. Analyze the essentials of a problem logically | X | | | | | |
| 2. Select and apply appropriate mathematical tools and techniques | | X | | | | |
| Communication | | | | | | |
| 1. Write coherent and accurate reports of mathematical processes and problems | | | | | X | |
| 2. Deliver oral presentations that explain mathematical concepts accurately and effectively | | | | | X | |
| Integrity/Values | | | | | | |
| 1. Honesty and integrity in project work and research | | | | | X | |
| Project Management | | | | | | |
| 1. Manage time and resources effectively | | | | | X | |
| 2. Use technology appropriately to conduct project work and research | | X | | | X | |
| 3. Work independently and collaboratively to achieve project goals | | X | | | X | X |

09/25/15