Section 1. Course Title and Description

<table>
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<th>Prefix &amp; No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>STAT 752</td>
<td>Advanced Data Science</td>
<td>3</td>
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Course Description:
This course will cover current research in the Mathematical and Statistical Sciences. The focus of the class is to introduce PhD students to the ongoing research programs of the faculty and advanced methodologies outside of the traditional core classes related to the rapidly evolving disciple of Data Science. This class can be taken multiple times for credit.

Registration Restriction/Prerequisite: Instructor permission.

Section 2. Review of Course

Will this be a common or unique course? (select the appropriate option below)

X This course will be a unique course. (Go to Section 3.)

Section 3. Other Course Information

1. Are there instructional staffing impacts?  
   X No, schedule management. Explain: Course will be offered on a rotating basis.

2. Existing program in which course will be offered: S.PH.D.CSS Computational Science & Statistics (PhD)

3. Proposed instructional method: R - Lecture
   Provide a brief justification: Course material is best in this method.

4. Proposed primary delivery: 001- Face to face

5. Term in which change will be effective: Spring 2015

6. Can this course be repeated for additional credit? No

7. Will the grade for this course be limited to S/U (pass/fail)? Yes X No

8. Will section enrollments be capped? Yes, 20 maximum per section

9. Will this course be equated (i.e. considered the same course for degree completion) with any other unique or common course in the course database? Yes X No

10. Is this prefix already approved for your university? X Yes No

Section 4. To be completed by Academic Affairs

1. University department code: SMATH

2. Proposed CIP code: 27.0502
   Is this a new CIP code for this university? Yes X No