

**\*\*Disclaimer\*\***

This syllabus is to be used as a guideline only. The information provided is a summary of topics to be covered in the class. Information contained in this document such as assignments, grading scales, due dates, office hours, required books and materials may be from a previous semester and are subject to change. Please refer to your instructor for the most recent version of the syllabus.

ARIZONA STATE UNIVERSITY  
SCHOOL OF MATHEMATICAL AND STATISTICAL SCIENCES  
**MAT 591, Professional Topics in Mathematical Sciences**  
Fall 2019, Wed 3:30-4:30, WXL 206

**Instructor:** Professor D. Jones

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Course Description: This is a graduate seminar offered for graduate students in mathematics programs, including all the SoMSS graduate degree programs. We will discuss professional opportunities after the doctorate.

Scheduling: Upcoming seminars will be announced via email and on the Events page of the SoMSS webpage. They will typically occur two or three times a month.

Target Population: The class is targeted to students that are currently actively planning how to focus their studies and what kind of career they intend to have with a Ph.D from SoMSS.

Format and Grade: Enrolling in the class is not necessary for attending the meetings - the seminar is open to everyone. If you are taking the seminar for credit, the seminar is Pass/Fail only and is usually taken for one hour credit only. A Pass grade requires all meetings to be attended.

Topics to be Covered:

- Career information : SoMSS alumni with careers in industry, government labs, community college teaching and research universities will be invited to talk to us about their careers.
- Academic jobs: (i) research statement, (ii) teaching statement, (iii) Application requirements (iv) Targeted resume
- Different kinds of academic positions : Liberal Arts Colleges, Research Universities and Community Colleges - how do you succeed in these careers? Promotion and tenure.
- What kind of grants are there? How to write a successful grant? Why should you do that?
- Industrial and National Lab Opportunities : What is important in the application process
- Interviewing in general: telephone interviews, interviews at meetings, on campus interviews
- Publishing: what are the criteria to find an appropriate journal for your research? How to you review a paper?
- Work-life balance issues and planning
- Ethics in research and professional positions
- Presentation / Communication skills for your research (elevator speech)

Academic Integrity: ASU expects and requires all its students to act with honesty and integrity, and respect the rights of others in carrying out all academic assignments. For more information on academic integrity, including the policy and appeal procedures, please visit <http://provost.asu.edu/academicintegrity>

Inclusivity Policy: The School of Mathematical and Statistical Sciences encourages faculty to address and refer to students by their preferred name and gender pronoun. If your preferred name is different than what appears on the class roster, or you would like to be addressed using a specific pronoun, please let your instructor know.

Attendance Policy:

- Attendance at all class sessions is expected.
- Absences related to religious observances/practices: If you will be absent from class due to a religious observance or practice, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative and reasonable arrangements for any time missed.
- Absences related to university sanctioned events and activities: If you will be absent from class due to participation in a university sanctioned event/activity, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative and reasonable arrangements for any time missed.

Academic Dishonesty: Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal. For more information, see <http://provost.asu.edu/academicintegrity>.

Students with Disabilities: Disability Accommodations: Qualified students with disabilities who will require disability accommodations in this class are encouraged to make their requests to me at the beginning of the semester either during office hours or by appointment. Note: Prior to receiving disability accommodations, verification of eligibility from the Disability Resource Center (DRC) is required. Disability information is confidential. Students who feel they will need disability accommodations in this class but have not registered with the Disability Resource Center (DRC) should contact DRC immediately.