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Courses


 MAP6932/6905–Probability
 and Imaging

 MAP 4102 Probability and
 Stochastic Processes

MAP6932/6905–Probability and Imaging

Stochastic Optimization and Applications in Image Analysis (part II)

Instructor and Office Hours

Murali Rao, 494 Little . Tlf : 352-294-2327

Office Hours: MW 4, F 2 or by appointment.

■ Homework, Problems and Exams

Homework : Presentation of Relevant Research Articles

Grading:

Students will be required to present one to two papers and the projects related to the course content. These projects may be related to problems of particular interest to the individual student. Grades will be assigned on the basis of these projects. Current UF grading policies can be found from the following link <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

Office Hours: MW 4, F 2 or by appointment.

Objective and Outline of the Course:

We will start with two papers on 2d CRE. Then continue on to some papers on Stochastic Optimization. Any necessary probability will be covered as needed. There will be time for applications. Then we proceed to EM algorithms. This algorithm is one of the most successful Optimization methods.

Tentative Weekly Schedule:

1/05- /1/09 : Papers on CRE .

1/12 – 1/16 : Continued.

1/19 – 1/23 : Continued.

1/26 – 1/30 : Stochastic Optimization. Various Research Articles presented by Participants.

2/02-2/06 : Continued

2/09-2/13: Continued

2/16-2/20 : Continued

2/23-2/27; Continued

3/09-3/13: Continued.

3/16-3/20: Continued.

3/23-3/27; Guest Lecture.

3/30-4/03 : EM Algorithm

4/06-4/10 : Continued.

4/13- 4/17: Future Research.

Teaching Evaluation: Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>.

Academic Honesty: The course will be conducted in accordance with the University honor code and academic honesty policy, which can be found in the [student guide](#)

Accommodation for Student with Disabilities: Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

