



**PA 308:**

## **A GRADUATE SEMINAR**

This course is designed as a graduate level seminar, so all students are expected to take leadership role in stimulating class discussions on readings, assignments and relevant decision making issues. My role is to facilitate the

September 13	<b>Topic I: Modeling Decision Making under Risk and Uncertainty</b> <b>Readings:</b> (1) Goodwin and Wright: Chapters 5 and 6
September 20	<b>Topic: Decision Trees, Influence Diagrams and Bayesian Networks</b> <b>Readings:</b> (1) Goodwin and Wright: Chapters 7 & 8 (2) <i>Conrady, S., and L. Jouffe (2015) Bayesian Network Theory. Chapter 2. Bayesian Networks &amp; BayesiaLab</i>
September 27	<b>Topic: Bayesian Network Models</b> <b>Readings:</b> (1) Goodwin and Wright: Chapters 9, 10 and 11

November 22	<i>Thanksgiving Break</i>
November 29	<b>Topic: Interactive Scenario Planning and Development of Participatory and Deliberative Decision Support Systems</b> <b>Readings:</b> Goodwin and Wright: Chapters 16, 17 & 18 <b>Activity: Student Presentations from Assignments 3 and 4</b>
December 6	Final project submissions for Assignment 4

<b>ASSIGNMENTS AND GRADING</b>
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All assignments for this class are geared towards providing you hands-on experience in understanding and developing decision making models, decision support systems and critically analyzing meta-decision making problems. Detailed instructions for each of these assignments will be uploaded on the blackboard website and thoroughly discussed during the seminar on the assigned dates.

**ASSIGNMENT 1: MCDA PROJECT:** Individual/group project on designing and implementing

All ideas, arguments, and phrases, submitted without attribution to other sources must be the creative product of the student. Thus, all text passages taken from the works of other authors (published or unpublished) must be properly cited. The same applies to paraphrased text, opinions, data, examples, illustrations, and all other creative work. Violations of this standard constitute plagiarism.

2. Students may not fabricate.

All experimental data, observations, interviews, statistical surveys, and other information collected and reported as part of academic work must be authentic. Any alteration, e.g., the removal of statistical outliers, must be clearly documented. Data must not be falsified in any way. Violations of this standard constitute fabrication.

3. Students may not collude.

Students may only provide, seek or accept information about any academic work to or from another student with the authorization of the instructor. Students may only collaborate on academic work within the limits prescribed by their instructors. Violations of this standard constitute collusion.

4. Students may not cheat.

Students must adhere to the guidelines provided by their instructors for completing academic work. Students may not claim as their own work any portion of academic work that was

specify why it is inaccurate, misleading, or otherwise in violation of their privacy rights  
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