Agenda for CSCE 582 (=STAT 582) class meeting of 2021-01-21 (Class 4: 2 of Week 2; Online)

1. **Remember to record the session!**

WEEK	TOPIC	SOURCE
1 (1/12,14)	Probability and Reasoning	Chs.1 and 2 [J[; instructor's slides
2 (1/19,21)	**Probability and Reasoning**	**Chs.1 and 2 [J[; instructor's slides**
3 (1/26,28)	Causal and Bayesian Networks	Ch.2 [J]
4 (2/2.4)	Causal and Bayesian Networks	Ch.2 [J]
5 (2/9,11)	Building Models: Capturing the Structure and Determining the Conditional Probabilities	Sections 3.1 & 3.2 [J]
6 (2/16,18)	Building Models: Capturing the Structure and Determining the Conditional Probabilities	Sections 3.2 and 3.3 [J] and notes on the stratum method
7(2/23,25)	Building Models: Advanced Modeling Methods and Special Features; Wellness Holiday	Sections 3.3 and 3.4 [J]
8 (3/2,4)	Building Models: Advanced Modeling Methods and Special Features;	Sections 3.3 and 3.4 [J]
9 (3/9,11)	Review (if time permits) and Midterm	
10 (3/16,18)	Belief Updating in Bayesian Networks: The Junction Tree Method	Ch.4 [J96] & Ch. 4 [J]
11 (3/23,25)	Belief Updating in Bayesian Networks: Stochastic Simulation and Loopy Belief Propagation	Sections 4.7-4.8 [J] & Section 4.6 [J96]
12 (3/30 & 4/1)	Wellness Holiday and Graphical Languages for Decision Problems	Ch.9 [J]
13 (4/13,15)	Graphical Languages for Decision Problems	Ch.9 [J]
14 (4/20,22)	Graphical Languages for Decision Problems	Ch.9 [J]
15 (4/20,22)	Review (if time permits) and Graduate Student Presentations	
May 4	Final Exam: May 4, 12:30 p.m.	

2. Check email to see whether students are emailing reports of trouble.
3. Ask student to use chat for questions and mute audio and video on their side, to limit clutter and bandwidth.
4. Virtual Office Hours. I expect to have virtual office hours on Blackboard Collaborate Ultra from 1500-1800 on Mondays. Please email me if you want to meet me online.
5. Syllabus and course administrative information.
6. Introduction of students and instructor.
7. HW1 is due on 2021-01-28 (Thursday): Exercises 2.1-2.11 [J].
8. Older versions of Hugin is available through the Content section of Blackboard for the course. The new version is available on the departmental lab machines.
9. D-separation and Markov blankets continued: Section 2.2 [J].
10. Probability prerequisites: Ch.1 [J]; instructor's slides.
11. Make sure that the students are fine and wait for questions before ending the session.