

## Agenda for CSCE 582 class meeting of 2020-04-07 (Online)

- 1. Remember to record the session!**
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. Discuss updated syllabus. Share course website on Collaborate and go over the changes. Emphasize that the students will work on nearly asynchronous basis. Make sure that understand where the 2009 videos are. Note that there is a discussion board on the departmental dropbox, but that they should contact me by email for faster processing. There are videos assigned for this week. Mention the virtual office hours session on Blackboard Collaborate Ultra (Mondays, 1500-1800).
5. Recall new option for using Hugin 8.8 (newest version) on Windows machine without using VPN: email from Ronnie Wilkinson of 2020-03-23.
6. Graduate students need to email me their choice of paper for presentation.
7. HW9 is due on Thursday. The dropbox will be open soon. Clarification on Exercise 3.21.
8. Discuss Ch.4 [J96]. Do an alternate junction tree construction for the Asia example.)
9. Other exact methods for belief updating in Bayesian networks: factor trees (<https://cse.sc.edu/~mgv/papers/uai98.pdf>), lazy propagation, and cutset conditioning.
10. Stochastic simulation and Gibbs Sampling from Ch.4 [J96]. Other approximate (iterative) methods: likelihood weighting and Loopy Belief Propagation (Ch.4, [J07]).
11. Make sure that the students are fine and wait for questions before ending the session.