ILLINOIS INSTITUTE
OF TECHNOLOGY

Transforming Lives. Inventing the Future.
www.iit.edu

SOFTWARE ENGINEERING
CS 487

Prof. Dennis Hood

Computer Science

Participation – P4

- Describe the authentication protocol for an ATM
  - Explain why it is less than perfectly secure.
  - And why it is less than perfectly easy to use.
  - And why it is OK for both of these to be true.
  - Describe a mechanism for the ATM to assess the awareness of the human user during authentication.
- Describe the role of automated awareness in engineering acceptable safety for a fully self-driving car.
  - Explain the role of this awareness in managing exceptions.
  - Explain why it is less than perfectly safe.
  - Use risk assessment to justify the imperfect design.
  - Describe a strategy for safely testing the car design's effectiveness.