

UW i310

Week 6 Questions (Bishop 18 – Intro to Assurance):

Rev 2/2016

- 1) Describe trust - *according Bishop definition*
- 2) What makes an entity trustworthy ?
- 3) What is Software Assurance ?
- 4) Describe how Formal Methods (as an Assurance Technique) for design analysis/testing/validation
- 5) Describe TCSEC and ITSEC
- 6) Understanding the role of Security Policy's and Security Mechanisms, what role does assurance play between Sec Policy & Mechanism ?
- 7) What drives info assurance (*in your opinion*) ?
- 8) Toyota just offered you a position to come up with security policies for common approach and mechanisms to protect their software loads, connection to sensors, engine/components service data. 35% of S/W written by other suppliers. State your policies and required mechanisms to enforce.
- 9) Differentiate dynamic and static software scanners – on what criteria would you select a scanner ?