**Academic Year** 2016/17  
**Module Code** CS7053  
**Module Title** Security of Networks and Distributed Systems  
**Pre-requisites** Basic networking and programming  
**ECTS** 5 ECTS  
**Chief Examiner** Dr Stephen Farrell  
**Teaching Staff** Dr Stephen Farrell  
**Delivery** 30 hours lectures.  

**Aims** The objectives of this module are: to gain a realistic understanding of risk, as it applies in distributed systems; to understand the main tools available to control risk from and how to use those whether as a designer, operator, user or security analyst; and to enable the student to form opinions about issues such as full disclosure, some aspects of IPR (e.g. parts of DRM).  

**Learning Outcomes**  
- On successful completion of this module students should be able to:  
  - Describe the most commonly used security protocols (e.g. TLS, Keberos);  
  - Analyse cryptographic services in sufficient detail as to recognise which services to apply;  
  - explain risk and issues around disclosure.  

**Syllabus** Lecture materials: [http://down.dsg.cs.tcd.ie/cs7053](http://down.dsg.cs.tcd.ie/cs7053)  

**Assessment** 80% exam, 20% coursework  
Supplemental 100%  

**Bibliography** Materials on website. (Copies of RFCs, papers, etc.)  

**Website** [http://down.dsg.cs.tcd.ie/cs7053](http://down.dsg.cs.tcd.ie/cs7053)