MAST90079 AMSI Summer School

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 28 hours over 4 weeks Total Time Commitment: 170 hours
Prerequisites:	This subject is only available to students enrolled in the Master of Science (Mathematics and Statistics) or the Postgraduate Diploma in Science in the Mathematics and Statistics stream. Subject coordinator approval, upon endorsement by your current supervisor and course coordinator, is required upon application.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Prof Jan De Gier
Contact:	jdgier@unimelb.edu.au
Subject Overview:	This subject will provide students with the opportunity to undertake studies in one of a number of specialised topics offered by the Australian Mathematical Sciences Institute. Each year a list of topics is available from the AMSI website at: **http://www.amsi.org.au/index.php/higher-education/summer-school (http://www.amsi.org.au/index.php/higher-education/summer-school)** No topic that substantially covers material available in existing University of Melbourne postgraduate Mathematics and Statistics subjects will be available for enrolment as part of this subject. The Department of Mathematics and Statistics will determine the subset of allowed topics, which will be available from the Subject Coordinator. Students may gain credit for this subject only once.
Learning Outcomes:	Students will have gained an understanding at postgraduate level in the mathematics and statistics of the topic prescribed.
Assessment:	All topics are assessed by either a combination of assignments and exam or multiple assignments. Details of assessment for individual topics are listed on the AMSI website at: http://www.amsi.org.au/index.php/higher-education/summer-school Assessment will be held during the 4 weeks of the summer school with exam components within 2 weeks of the end of the summer school.

Prescribed Texts:	As listed at http://www.amsi.org.au/index.php/higher-education/summer-school
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	In addition to learning specific skills that will assist students in their future careers in science, they will have the opportunity to develop generic skills that will assist them in any future career path. These include: # problem-solving skills: the ability to engage with unfamiliar problems and identify relevant solution strategies; # analytical skills: the ability to construct and express logical arguments and to work in abstract or general terms to increase the clarity and efficiency of analysis; # collaborative skills: the ability to work in a team; # time-management skills: the ability to meet regular deadlines while balancing competing commitments.