## MAST90081 Advanced Probability

Credit Points:	12.5		
Level:	9 (Graduate/Postgraduate)		
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.		
Time Commitment:	Contact Hours: Contact Hours: 36 hours comprising 2 one-hour lecture per week and 1 one- hour practice class per week. Total Time Commitment: Estimated Total Time Commitment - 170 hours		
Prerequisites:	Subject	Study Period Commencement:	Credit Points:
	MAST30020 Probability for Inference	Semester 1	12.50
Corequisites:	None		
Recommended Background Knowledge:	None		
Non Allowed Subjects:	Subject	Study Period Commencement:	Credit Points:
	MAST90062 Probability & Mathematical Statistics I	Not offered 2016	12.50
core Farticipation	For the purposes of considering request for Reasonable	Adjustments under the	Disability
•	For the purposes of considering request for Reasonable Standards for Education (Cwth 2005), and Student Support requirements for this subject are articulated in the Subject O Assessment and Generic Skills sections of this entry.	and Engagement Policy verview, Learning Outco p>It is University policy t upon academic study, a participation in the Univ neeting the requirements Student Adviser and St	, academic omes, o and versity's s of this udent
Core Participation Requirements: Coordinator:	Standards for Education (Cwth 2005), and Student Support a requirements for this subject are articulated in the Subject O Assessment and Generic Skills sections of this entry.	and Engagement Policy verview, Learning Outco p>It is University policy t upon academic study, a participation in the Univ neeting the requirements Student Adviser and St	, academic omes, o and versity's s of this udent
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Requirements: Coordinator: Contact:	Standards for Education (Cwth 2005), and Student Support a         requirements for this subject are articulated in the Subject O         Assessment and Generic Skills sections of this entry.         take all reasonable steps to minimise the impact of disability         reasonable adjustments will be made to enhance a student's         programs. Students who feel their disability may impact on m         subject are encouraged to discuss this matter with a Faculty         Equity and Disability Support: <a href="http://services.unime&lt;/a&gt;         services.unimelb.edu.au/disability         Prof Aihua Xia         Aihua Xia         This subject mostly explores the key concept from Probabilit         probability distributions, which is fundamental for Mathematic         in other applications. We study in depth the classical method&lt;/td&gt;&lt;td&gt;and Engagement Policy&lt;br&gt;verview, Learning Outco&lt;br&gt;p&gt;It is University policy t&lt;br&gt;upon academic study, a&lt;br&gt;s participation in the Univ&lt;br&gt;neeting the requirements&lt;br&gt;Student Adviser and St&lt;br&gt;Ib.edu.au/disability">http u.au) y Theory: convergence cal Statistics and is wide d of characteristic function Probability Theory.</a>	, academic omes, o and versity's s of this udent o://	
Requirements: Coordinator: Contact: Subject Overview:	Standards for Education (Cwth 2005), and Student Support a requirements for this subject are articulated in the Subject O Assessment and Generic Skills sections of this entry.	and Engagement Policy verview, Learning Outco p>lt is University policy t upon academic study, a s participation in the University neeting the requirements Student Adviser and St lb.edu.au/disability">http u.au) y Theory: convergence cal Statistics and is wide of characteristic function Probability Theory.	, academic omes, o and versity's s of this udent b:// of ely used ons and

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:
	<ul> <li># problem-solving skills: the ability to engage with unfamiliar problems and identify relevant solution strategies;</li> <li># 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;</li> <li># collaborative skills: the ability to work in a team;</li> </ul>
	# time-management skills: the ability to meet regular deadlines while balancing competing commitments
Related Course(s):	Doctor of Philosophy - Engineering Master of Philosophy - Engineering Master of Science (Mathematics and Statistics)
Related Majors/Minors/ Specialisations:	Mathematics and Statistics