

# COMP9501 - Machine Learning

Semester 1, 2023-24

This is a **Graduate Course**. MPhil/PhD students in the Department of Computer Science should read the Coursework Requirement.

Instructor	Dr. J. Pan														
Syllabus	This course introduces (1) the basic concepts of machine learning and core machine learning models and methods, including supervised learning, non-supervised learning, classification, and regression; (2) the machine learning pipeline including data gathering, preprocessing, visualization; selecting machine learning models and tuning hyper-parameters; training, validation, and testing; (3) case studies of machine learning applications including handling large datasets. The course consists of several assignments as well as a final project that lets students apply machine learning to their individual/group research projects.														
Topics	<ul style="list-style-type: none"><li></li></ul>														
Pre-requisites															
Compatibility															
Instructor's web	<a href="https://sites.google.com/site/panjia">https://sites.google.com/site/panjia</a>														
Assessment	<ul style="list-style-type: none"><li>In-course assessment:</li></ul>														
Timetable	Teaching Period: September 1, 2023 - November 30, 2023 Reading Week: October 16, 2023 - October 21, 2023														
	<table><tr><th><i>Date</i></th><th><i>Start Time</i></th><th><i>End Time</i></th><th><i>Venue</i></th><th><i>Remark</i></th></tr><tr><td>Monday</td><td>19:00</td><td>21:50</td><td>KK102</td><td>N/A</td></tr></table>					<i>Date</i>	<i>Start Time</i>	<i>End Time</i>	<i>Venue</i>	<i>Remark</i>	Monday	19:00	21:50	KK102	N/A
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