

Maple 9.5 Syllabus

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General Session Objectives

- **Introduction to Maple 9.5**
- **Upon completion of the workshop, attendees should be able to:**
 - Identify and work with the **Packages** available in Maple 9.5 listed below:
 - Optimization
 - Student[Calculus1]
 - Multivariate Calculus
 - Linear Algebra
 - Plots
 - Maplets
 - Use the dockable Palettes to enter matrices, vectors, equations, expressions and functions
 - Plot two-dimensional and three-dimensional graphs and demonstrate the ability to use the Plot Builder to generate Animations and interactive plots.
 - Use the **ODE Analyzer** to solve ODEs.
 - Use the **Glossary** and **Topic Search** options under the Help menu item
 - Export the worksheet to Rich Text Format or HTML
 - Import and Export Data
 - Create worksheets that incorporate Text and Mathematics Expressions for research oriented papers.
 - Right-click on output to invoke the context-sensitive menus that will allow for further investigations
 - Work with some basic Maple Syntax commands in the **Packages** identified above