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| Mon 40min | Tue 90min | Wed 20 min | Thu 90min | Fri 20min |
| 1  **Critical numbers** and how to find them\* | 2  **Extrema on an interval**: methods and justification; EVT\* | 3  Review of the **Intermediate Value Theorem**\* | 4  **Mean Value Theorem** and Rolle’s Theorem | 5  Using the **MVT** |
| 8  **Graphs of F, F’, and F”**: Relationships and observations\* | 9  **Local Extremes:** increasing, decreasing, and the first derivative test \* | 10  Finding and justifying **local max/mins** | 11  **Concavity**: the second derivative test\* | 12  Beginning **Curve Sketching** |
| 15  **Optimization Intro:** application problems | 16  **Curve Sketching:** bringing all the pieces together | 17  **Review** |  |  |

\* 20-minute mini-lecture on topic presented by student group (of 2)

Presentation must:

* Powerpoint suggested, not required
* Involve hand out (not just printed powerpoint) (Mr M will make copies for you)
* Introduce relevant vocabulary and theorems explicitly
* Ask class for questions, answer them
* Work through at least 2 examples
* Mr M will provide guidance and material support (ie, pages from other textbooks)
* Will be graded (test grade) according to rubric on back: Content 60% Verbal 20% Nonverbal 20%

