**Ankara University**

**Library and Documantation Center**

**Open Courseware**

### Course Schedule

| **Weeks** | **Topics** |
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| Week 1 | Integrals |
| Week 2 | **The fundamental theorem of calculus** |
| Week 3 | Applications of integration-areas between curves |
| Week 4 | Applications of integration-volumes |
| Week 5 | Applications of integration-arc length-Area of a Surface of Revolution |
| Week 6 | Improper integrals |
| Week 7 | Polar coordinates |
| Week 8 | Infinite sequences |
| Week 9 | Series |
| Week 10 | **Alternating series-power series** |
| Week 11 | Functions of several variables |
| Week 12 | Partial derivatives |
| Week 13 | Chain rule, implicit differentiation, max and min problems |
| Week 14 | Double integrals |