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M A T H E M A T I C S  I I  

Lectures:  
Sec. 01: Tuesday, 8:40-10:30, Class: AE 128  
Thursday, 8:40-10:30, Class: AE 128  
Office Hours: After each classes or by appointment:  
akmandor@ae.metu.edu.tr  

Reference books:  

<table>
<thead>
<tr>
<th>Advanced Engineering Mathematics</th>
<th>Advanced Calculus for Applications</th>
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Grading: 2 midterms: 50%, Final: 40%, HW's and Attendances: %10  

Outline:  
Week 1: Vector Integral Calculus, EK Chp.9  
Week 2: Vector Analysis, FH Chp.6  
Week 3: Vector Integral Calculus, EK Chp.9  

1st midterm is after finishing Vector Analysis.  
Thursday, 28th March 2013 (8:40-10:30)  
Week 4: Series Solution of Differential Equations, EK Chp.4  
Week 5: Series Solution of Differential Equations, FH Chp.4  
Week 6: Laplace Transforms, EK Chp.5  
Week 7: Laplace Transforms, EK Chp.5  

2nd midterm is after covering Laplace Transforms.  
Thursday, 02th May 2013 (8:40-10:30)  
Week 8: Fourier Series, Integrals and Transforms, EK, Chp.10  
Week 9: Fourier Series, Integrals and Transforms, EK, Chp.10  
Week 10: Boundary-Value Problems, FH, Chp.5  
Week 11: Boundary-Value Problems, FH, Chp.5  
Week 12: Partial Differential Equations, EK, Chp.11  
Week 13: Optimization, EK, Chp.20