

**MATH 365(MATH 627)**  
Analysis II  
*Winter 2015*

- Instructor:** Dr. D. Dryanov, Office: LB 915-3 (SGW), Phone: 848-2424, Ext. 5675  
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- Office Hours:** To be announced.
- Text:** *Introductory Real Analysis*, by F. Dangelo & M. Seyfried.
- Suggested References:** *Calculus*, 3rd Edition, by M. Spivak.  
*Elements of Real Analysis*, by Charles G. Denlinger.
- Assignments:** Given weekly. *You should provide complete arguments in your homework. Some assigned problems may not be marked.* Solutions of all assigned problems will be posted on Moodle. Late assignments will not be accepted. Answers and proofs for some unassigned problems are at the back of the text.
- Midterm Test:** There will be a midterm test scheduled in the 7th or 8th week of classes.
- Grading:** 10% Assignments, 30% Midterm Test, 60% Final Exam  
**OR**  
10% Assignments, 90% Final Exam

Lectures	Topics	Chapters
1-4	Riemann Integration	Chapter 6
5-7	Series of Real Numbers	Chapter 7
8-10	Sequences and Series of Functions	Chapter 8
11-12	Power Series and Taylor Series	Chapter 9
13	<b>REVIEW</b>	