SYLLABUS

MATH 3335
VECTOR ANALYSIS
SPRING 2017

**Instructor:** Alexander Mamonov
**Office:** PGH 690
**Office hours:** TuTh 5:30PM – 7:00PM
**Phone:** (713) 743-0297
**E-mail:** mamonov@math.uh.edu
**Web page:** https://www.math.uh.edu/~mamonov/MATH3335-S2017/index.html
**Classroom:** SEC 203
**Class hours:** TuTh 4:00PM - 5:30PM

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**The information contained in this class syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course**.

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All class announcements, reviews, homework assignments, solutions and grades will be posted on
**Blackboard**: http://elearning.uh.edu/webapps/portal/frameset.jsp

**Prerequisite:** MATH 2433.

**Textbook:** H. F. Davis and A. D. Snider, *Introduction to Vector Analysis*, 7th edition, Hawkes
Learning, 1999 (also 2000, 2016)

**Objectives:** Upon completion of this course, the students are expected to gain the understaning of
algebra and calculus of vectors, vector differential operators, line, surface and volume
integration including Green's, Stokes' and Divergence theorems, curvilinear coordinates
and tensors.

**Topics:** For the course content see the Math Department's MATH 3335 web page at:
http://www.uh.edu/nsm/math/undergraduate/courses/math3335/

**Grading:** Weekly homeworks, two in-class midterm exams and a final exam will be given. There
are no make-ups for the exams. The course grade is determined by the homeworks,
midterm exams and the final exam as follows:

Homework    1/5
Midterm 1    1/5
Midterm 2    1/5
Final Exam    2/5