MATH 237, Multivariable Calculus, *Summer 2019*

Class schedule: MTWRF 8:00 am-9:35 am COHH 3121

CRN: 39270   **Section**: A01

Instructor: Dr. Attila Pór, Office: COHH 3101,

*e-mai*l: attila.por@wku.edu

Office hours: MWR 9:35-10:20, or by appointment.

Topnet will be used to email you any information, exam date and homework.

Prerequisite: MATH 137 with a grade of C or better.

Textbook: *Multivariable Calculus (with Webassign Access)*, 11th edition, by Larson

Important Textbook Information:
(Please read before purchasing anything for this course.) This course participates in The WKU Stores Day One Access program. This program is designed to provide immediate access to required materials for all students at prices cheaper than any other option.

Required materials will be delivered to you automatically by enrolling in this course unless you choose to opt-out. By participating in this program, The WKU Store will bill your Student Billing account, and you will see a charge appear under this Term along with Tuition and Fees (Account Summary by Term under the Student Services tab) labelled as either The WKU Store Purchases or Day One Access after the Add/Drop period. For more information on this program or to opt-out of participation, go to our information page, http://www.wkustore.com/t-day-one-access.aspx. The cost of the e-book and Webassign is $25.50 and it will be placed on your student bill on Wednesday, 1/30/19. Students who stay enrolled in Day One Access are also eligible to purchase an optional low-cost looseleaf copy of the textbook for only $47.00. (Students who opt-out of Day One Access are not eligible to purchase this low-cost looseleaf version of the book.)

Students who wish to opt-out of this program may do so. The deadline to opt-out is Tuesday, 6/5/19. By opting out you agree to have your e-book and Webassign access terminated and you will be responsible to obtaining the required materials on your own. If you have purchased the optional low-cost looseleaf book from The WKU Store, you must return it before the opt-out deadline in order complete the opt-out process. It must also be in its original shrinkwrap. Textbook: Multivariable Calculus (with Webassign Access), 11th Edition, by Larson ISBN for optional low-cost looseleaf copy: 9780357001349

Attendance: Throughout the course class attendance is required. Four or more unexcused absences from class may result in an "F" as final course grade. A student absent from class bears full responsibility for subject matter and announcements missed.

Test: There will be 5 midterm Tests Missing an hour exam is a serious matter, and a make-up exam will be arranged only if
(1) the instructor is informed in **advance**
(2) if valid reason is provided and proved.
Planned test dates: (Subject to change)

Quiz & Homework: There will be regular quiz, some will be in class and some will be take home. The quiz will be graded and contributes to your grade.

Grading:
A: 90% - 100%   D: 60% - 70%
B: 80% - 90%   F: below 60%
C: 70% - 80%
There will be five mid-term exams and quiz. Each mid-term test is worth 20% of your grade (the lowest test score will be dropped), quiz are 20% (An average of your quiz score, after dropping the 3 lowest scores).

Description: The traditional third semester in the calculus sequence. Topics include vector-valued functions, functions of several variables (partial derivatives, gradients, tangent planes, normal lines, Lagrange multipliers) multiple integrals (itereted-, double-, triple-integrals), and vector fields (line integrals, conservative vector fields, Green's theorem).

Learning Objectives: MATH 237 has the following learning objectives:
Learning Objective 1: Translate information given in words as symbolic (mathematical) form.
Learning Objective 2: Interpret information given in mathematical form (in words).
Learning Objective 3: Use the techniques to solve applications, such as areas, volumes, arc lengths, etc.
Learning Objective 4: Learn to use line and surface integrals.
Learning Objective 5: Learn to apply Green's theorem.

Important dates:
Independence Day: July 4. (University closed)
Last day to drop a class with a W.: June 25.
Last day to change a class from credit to audit.: June 5.
60% point of the semester: July 1.

ADA Accommodation Statement: In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at sarc.connect@wku.edu . Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

Title IX Misconduct/Assault Statement

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKUs Title IX Sexual Misconduct/Assault Policy (#0.2070) at https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf and Discrimination and Harassment Policy (#0.2040) at
https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf.

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are Responsible Employees of the University and MUST report what you share to WKUs Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKUs Counseling and Testing Center at 270-745-3159.

Notice: Credit for a course in which a grade of F has been received can be earned only by repeating the course in residence unless prior approval is given by the head of the department in which the course was taken.