**Spring 2024**

**MATH6510 Section 100 (Class Number 7643)**

**Linear Models**

**MWF 2:00 p.m. – 2:55 p.m., Morton Hall 218**

**Instructor: Vladimir V. Vinogradov**

**Office location: Morton Hall 579**

**Telephone and voice-mail: 593-1289**

**E-mail:** vinograd@ohio.edu

**Office hours:** By appointment via MS Teams vinograd@ohio.edu

 (I am easily available but please send me an e-mail first.)

**Prerequisite:** MATH5502

**Required Text:** *The Theory of Linear Models* by Bent Jørgensen,

Chapman & Hall, 1993

***E-book*** is available via the Ohio University Library by clicking on the following link:

[https://alice.library.ohio.edu/record=b6424565~S7](https://alice.library.ohio.edu/record%3Db6424565~S7)

The ***hard copy*** is on reserve in Alden Library, see the following link for more information:

[https://alice.library.ohio.edu/record=b2345930~S7](https://alice.library.ohio.edu/record%3Db2345930~S7)

**Grading** **Policy:** Total score: 100 points

Final exam:38 points

Mid term test: 30 points

Two quizzes: 16 points for each

**Letter grades will be assigned according to the following distribution:**

  D-: [60,63) D: [63,67) D+: [67,70)
  C-: [70,73) C: [73,77) C+: [77,80)
  B-: [80,83) B: [83,87) B+: [87,90)
  A-: [90,93) A: [93,100]

**Regrading policy:** Regrading requests should be initiated by writing or typing a detailed explanation of your concern (together with your full name, student ID number, e-mail address, and telephone number), submitting the signed hard copy on a separate piece of paper, and giving this together with your original unaltered test paper to the instructor within one week of when the graded test was first available.

**Final Examination** will be comprehensive and is scheduled by the university on Monday, **April 29, 2024** at 12:20 p.m.

**Home work** assignments will be given on a regular basis but not collected. Instead, students will be tested on their home work during both quizzes.

Attendance is mandatory. There will be no make-up tests. Instead, for legitimate absences, missed work will be replaced by the corresponding percentage earned on the final exam. To be excused, students must submit a written request.

**Course Content**

Simple linear and multiple regression models, one-sample and one-factor analysis of variance, analysis of residuals, generalized linear models, analysis of deviance as a generalization of the analysis of variance.

**Special Notes:**

**1.** Absolutely no cell phone use!

**2.** The use of *TI-83* and *TI-84* calculators is permitted during the final examination, midterm, and the quizzes.

**3.** **Copyrights** are subject to the following provisions of Faculty Handbook:

*"The lectures, classroom activities, and all materials associated with this class and developed by the instructor are copyrighted in the name of (instructor's name) on this date (give date)."*

*"…Furthermore, recording of classroom activities by any electronic means, by students, other faculty, university administrators, or others, requires permission of the instructor.  All students in a class must be informed if permission has been given for a class to be recorded.  Classroom lectures and associated course materials may be copyrighted by an instructor (see Section IV.A.3).  Under no circumstances may verbatim recording of copyrighted classroom lectures and materials by electronic or any other means (including note taking) be conducted for 1) sale, whether or not it is for educational benefit, or 2) for the educational benefit of those not enrolled in the class.  This does not apply to non-verbatim notes taken by students."*

**4.** More topics may be added, depending on students’ interests and the instructor’s preferences. Students will be responsible for such topics added.

**5.** Cheating of any sort will result in an **F** and may be referred to the university.

**6.** The University and its faculty are committed to help meet your individual needs and to support your efforts for a quality education. In particular, if you have a documented disability that requires an accommodation, please notify your instructor. Please, contact the Office of Student Accessibility Services at 740-593-2620 for more information.