

## SYLLABUS AND COURSE INFORMATION SPRING 2022

### MATH 2318 – Linear Algebra

**Day and Time:** MW 5:00PM-6:15PM      **Room:** Bin329

Meets 1/12/2022 through 5/13/2022

**Instructor:** Dr. Nikolay Metodiev Sirakov

**Office:** Bin 322

**Office Hours:** M 3:50PM- 4:50PM

**E-mail:** Nikolay.Sirakov@tamuc.edu

W 3PM – 5PM

**Office Phone:** 903 886 5943

Th 2PM-4PM

**Office Fax:** 903 886 5945

Friday research meetings

Others by appointment

**For more information, please visit: URL:** <http://faculty.tamuc.edu/nsirakov>

### COURSE DESCRIPTION

**Text:** **Linear Algebra and its Applications, 5<sup>rd</sup> edition, by David C. Lay**

**Pre-requisite:** MATH 2414 Min Grade C or MATH 192 Min Grade C

**Course Content:** Chapter 1-except 1.10; Chapter 2 – 2.1-2.3, 2.8, 2.9; Chapter 4: 4.1-4.6; Chapter 5: 5.1-5.3; Chapter 6: 6.1-6.4; **Note:** Sections 6.1-6.4 will be covered upon time permission;

**SLOs:** 1.The students will learn the theory of: linear equations, matrix algebra, Vector Spaces, Linearly independent sets, bases, Eigenvalues and Eigenvectors. 2. The students will know how to apply and solve practical problems with the above theoretical concepts. 3. The students will learn how to communicate their knowledge.

### COURSE EVALUATION

#### Basis for Evaluation:

In-class exams	- 44%
HW, In-class problems	- 14%
Short quizzes	- 16%
Comprehensive final exam	- 26%

**Grading Policy:** **A:** 100%- 90% ; **B:** 89% - 80%; **C:** 79% - 70%; **D:** 69% - 60%; **F:** < 59 %  
The professor reserves the rights to reward students for continuous hard work.

**Additional Performances:** In class check problems; Home Practice Problems; Extra Credit Problems

**Course Content & Calendar:** *The 1<sup>st</sup> lecture will take place on January 13, 1<sup>st</sup> week– intro to the class and basic concepts, 1.1-1.3; 2<sup>nd</sup> week – 1.4-1.5; 3<sup>rd</sup> and 4<sup>th</sup> weeks-1.6 –1.9; 5<sup>th</sup> and 6<sup>th</sup> weeks- 2.1-2.3, 2.8; 7<sup>th</sup> week- 2.9, 4.1; 8<sup>th</sup> - 10<sup>th</sup> weeks – 4.2-4.5; 11<sup>th</sup> week 4.6, 5.1, 5.2; 12<sup>th</sup> and 13<sup>th</sup> weeks – 5.3, 6.1, 6.2; 14<sup>th</sup> and 15<sup>th</sup> weeks – 6.3,6.4, Preparation for the Final Exam..*

<b>Final Test Sections:</b> all <b>Date:</b> Monday - May 9, 2022 <b>Time:</b> 4PM-6PM
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### COURSE POLICIES

**HW:** *to be solved at home. No makeup is allowed.*

**Short quizzes:** *are to be solved independently during the class period. No makeup is allowed.*

**Tests:** *The two in-class tests will be given roughly at regular intervals. Students will be informed of the test dates around a week in advance. The test will take one class period and will be*

*given at the scheduled times only. No opportunity will be given to take the test at earlier or later times except in cases of formal institutional excuses as mentioned above.*

**Makeup:** *Except in the case of a formal institutional excuse, no individual makeup test will be permitted.*

**Cheating:** HW, test, quizzes, extra credit problems results will be canceled in case of cheating.

**Students with Disabilities:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact: Office of Student Disability Resources and Services; Texas A&M University-Commerce; Halladay Student Services Building; Room 132 A/D; Phone (903) 886-5150 or (903) 886-5835; Fax (903) 468-8148 [StudentDisabilityServices@tamuc-commerce.edu](mailto:StudentDisabilityServices@tamuc-commerce.edu)

**All students** enrolled at the U shall follow the tents of common decency and acceptable behavior conducive to a positive learning environment (See Student's Guide Handbook, Polices and Procedures, Conduct).

**Texas Senate Bill - 11** (*Government Code 411.2031, et al.*) *authorizes the carrying of a concealed handgun in TAMUC buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to <http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf> and/or consult your event organizer). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all TAMUC campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.*

**Nondiscrimination Notice Texas A&M University-Commerce** will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. An environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

**The Counseling Center** at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit [www.tamuc.edu/counsel](http://www.tamuc.edu/counsel).

*The road that will lead you to find a good job is the road of coding, learning, and developing yourself through accumulating a new knowledge.*

**Commerce, Texas  
December 23, 2022**

**Dr. Nikolay Metodiev Sirakov**