

MATH 414 (Section 500) Fourier Series & Wavelet (Fall 2019)

Instructor: Dr. Tingwen Huang

Office: 316E

Phone: 4423-0174

Email: tingwen.huang@qatar.tamu.edu

Web Page: <http://people.qatar.tamu.edu/tingwen.huang>

Required or Elective: Required Course

Course Description: MATH 414. *Fourier Series & Wavelets*. Fourier series and wavelets with applications to data compression and signal processing. Prerequisite: [MATH 323](#) or [MATH 304](#) or [MATH 311](#)

Textbook: *A First Course in Wavelets and Fourier Analysis*, by Boggess & Narcowich

Lecture Hours: UTR 2:00PM-2:50PM

Office Hours: UTR 3:00PM-3:50PM or by appointment

Classroom: QENG210

Grading: A (90-100%), B (80-89.9%), C (70-79.9%), D (60-69.9%), F (0-59.9%)

| Exam or Quizzes | Time | Location | Scores |
|-----------------|-------|----------|--------|
| Exam 1 | 10/06 | 210 | 32% |
| Exam 2 | 11/07 | 210 | 32% |
| Exam 3 | 12/03 | 210 | 33% |
| Quizzes | | | 3% |

Exams: If you miss an exam, you must contact me within 48 hours of the exam. No make up exams will be given without an official university excuse.

Quizzes: In class, quizzes will be administered throughout the term, **NO** makeup for quizzes for any reasons.

Homework: I will not collect the homework, but it is imperative that you work out the suggested homework problems to prepare for the exams and quizzes.

Class Attendance: Attendance will be taken throughout the semester. You are responsible for attending class and for all materials covered in class. If you are seeking an excused absence, you must notify the instructor as soon as possible after the absence, but no later than the end of the second working day after the last date of absence. If the

absence occurs the same day as a scheduled exam or other graded procedure, the student must notify the instructor or department by the end of the next working day after the absence to ensure full rights. You are responsible for providing satisfactory evidence to the instructor within one week of your return to substantiate the reason for the absence.

Class Disruptions: Disrupting class is a serious violation of Texas A&M University rules and regulations. Electronic communication devices such as cell phones are disruptive if they ring during class. Please turn them off before class.

Academic Integrity Statement: Aggie Honor Code: “An Aggie does not lie, cheat, or tolerate those who do”. Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the Texas A&M University community from the requirements or the processes of the Honor System. For additional information please visit: www.tamu.edu/aggiehonor/

Disability Services: 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 believe you have a disability requiring an accommodation, please contact your academic advisor, please contact the Department of Student Life, Services for Students with Disabilities.