

COURSE SYLLABUS
PHYS 5000: Independent Study:
“Stochastic Gravitational-Wave Backgrounds”
(variable credit)
FALL 2022

Instructor: Joseph D. Romano

Office: Science 14; Phone: 806-834-6522; E-mail: joseph.d.romano@ttu.edu

Meetings: Weekly (hour-long) meetings (in-person and online, as appropriate)

Office hours: TTh 2:00 PM - 3:30 PM, and by appointment (in-person and online, as appropriate)

Course Description: Introduction to research on topics related to data analysis methods for stochastic gravitational-wave backgrounds.

Learning Outcomes: Students should be able to read and understand the relevant literature (e.g., review articles, journal articles, etc.) on stochastic gravitational-wave backgrounds.

Outcome assessment: Students are expected to summarize the content of their readings during the weekly meetings, and do exercises assigned by the instructor.

Grading: A final grade will be assigned based on successful completion of the assigned exercises and increased understanding of this research area, as assessed during the weekly discussions.

REQUIRED AND RECOMMENDED SYLLABUS LANGUAGE:

<https://www.depts.ttu.edu/tlpdc/RequiredSyllabusStatements.php>

<https://www.depts.ttu.edu/tlpdc/RecommendedSyllabusStatements.php>