

A&S Graduate Application for Independent Study/Research

Note: Refer to the Graduate Catalog and your Director of Graduate Study to see if you are eligible to enroll in an independent study course.

Student Name: Jacob Townson School: A&S, Grad

ID # 1738917 Dept and Course # Mathematics 691 Credit hrs 3

Year 2018

Term: Fall ☐ Spring ☒ Summer I ☐ Summer II ☐ Summer III ☐ All summer ☐

Plan of Work, including a description of the project:

Grading will be based on discussions of the papers: 1. M. Kot and W. M. Schaffer. 1986. Math. Biosci. 80: 109-136. 2. M. Kot. 1992. J. Math. Biol. 30: 413-436. 3. M. Kot, M. A. Lewis, and P. van den Driessche. 1996. Ecology 77: 2027-2042. 4. G. Otto and B. Li. 2017. Non-spreading solutions in integro-difference models incorporating Allee and overcompensation effects (preprint).

Course Title, supplied by instructor:

Integro-Difference Equations [maximum 30 characters]

Signature of student/date

Dr. Bingtuan Li

Print name of instructor supervising work

Bingtuan Li

Signature of instructor

1316254

Instructor's ID #

Prerequisites met _____ waived _____ (initials of chair or Director of Graduate Study)

Approval of Director of Graduate Study

Approval of Department Chair

Approval of Dean/date