

# GRADUATE STUDIES (GR ST)

**Courses primarily for graduate students, open to qualified undergraduates:**

## **GR ST 529: Preparing Publishable Thesis Chapters**

(3-0) Cr. 3. F.S.

*Prereq: Instructor permission*

Reporting original research results within the norms for writing of a student's discipline. Emphasis on preparing thesis/dissertation chapters that will be both acceptable to the Graduate College and ready for submission to a refereed journal in the student's discipline. Focus on reporting student-generated data, norms for discourse within disciplines, and how thesis chapters differ from journal manuscripts.

## **GR ST 565: Responsible Conduct of Research in Science and Engineering**

(1-0) Cr. 1. F.S.

*Prereq: Graduate classification*

Ethical and legal issues facing researchers in the sciences and engineering.

## **GR ST 566: Communications in Science**

(0.5-0) Cr. 0.5. Alt. S., offered odd-numbered years.

*Prereq: graduate classification*

Reading and reviewing manuscripts; publishing papers; oral and poster presentations.

## **GR ST 567: Time Management and Mentoring**

(0.5-0) Cr. 0.5. Alt. F., offered even-numbered years.

*Prereq: graduate classification*

Balancing life and career; mentoring; lab management.

## **GR ST 568: The Interview Process**

(0.5-0) Cr. 0.5. Alt. S., offered odd-numbered years.

*Prereq: graduate classification.*

Applying and interviewing for academia, industry and government.

## **GR ST 569: Grant Writing**

(1-0) Cr. 1. S.

*Prereq: at least two prior years of graduate classification.*

Writing a winning proposal.

## **GR ST 570: Teaching Practices**

(0.5-0) Cr. 0.5. Alt. S., offered even-numbered years.

*Prereq: graduate classification.*

Preparation of a teaching portfolio and course materials; lecturing, technology.

## **GR ST 585: Preparing Future Faculty Introductory Seminar**

Cr. 2. F.

*Prereq: One year of graduate course work; admission into PFF program*  
Introduction to faculty life issues such as hiring, tenure, teaching, and service at a variety of higher education institutions. Includes presentations from faculty at other institutions.

## **GR ST 586: Preparing Future Faculty Intermediate Seminar**

Cr. 1-3. S.

*Prereq: Admission into PFF program; completion of 585 or permission of instructor*

Consideration of a wide range of faculty life issues. Includes topics such as higher education trends, diversity issues, learning styles, assessment, grant and proposal writing, and legal and ethical issues. Written components include job and teaching portfolios.

## **GR ST 587: Preparing Future Faculty Teaching Practicum**

Cr. 1-3. Repeatable. F.S.

*Prereq: Permission of instructor, GR ST 585, credit for or concurrent enrollment in GR ST 586*

Students complete a stand-alone teaching assignment at Iowa State or another higher education institution. Written components include pedagogical documents.

## **GR ST 588: Preparing Future Faculty Special Topics**

Cr. 1-3. Repeatable. F.S.

*Prereq: Permission of instructor, GR ST 585, credit for or concurrent enrollment in GR ST 586*

In-depth study of topic providing academic professional development.

**Courses for graduate students:**

## **GR ST 633: Summer Graduate Assistant**

Cr. R. SS.

Only for students not registered in other courses in the summer term.

## **GR ST 680: Doctoral Post Prelim (Continuous) Registration**

Cr. R. Repeatable.

Reserved for Ph.D. candidates only. See the Graduate College Handbook for specific requirements.

## **GR ST 681: Required Registration**

Cr. 1. Repeatable. F.S.SS.

Required registration for graduate students when they have no mandatory classes left to take. Students need to register for Section A, B, or C. Offered on a satisfactory-fail basis only.

**GR ST 681A: Required Registration: Doctoral Continuous Registration**

Cr. 1. Repeatable, maximum of 6 times.

*Prereq: Must have taken and passed preliminary oral exam.*

Offered on a satisfactory-fail basis only. Credits may not count toward graduation.

**GR ST 681B: Required Registration: Final Exam Only**

Cr. 1. Repeatable, maximum of unlimited times.

*Prereq: Completed all necessary program requirements to take final exam.*

Offered on a satisfactory-fail basis only. This course cannot be used toward graduation.

**GR ST 681C: Required Registration: Graduate Assistant Enrollment**

Cr. 1. Repeatable, maximum of Unlimited times.

*Prereq: Student needs to be a Graduate Assistant*

Offered on a satisfactory-fail basis only. The course cannot count toward graduation.

**GR ST 697: Curricular Practical Training**

Cr. R. Repeatable. F.S.SS.

Professional work period.