

# GRADUATE STUDIES (GR ST)

**Any experimental courses offered by GR ST can be found at:**

registrar.iastate.edu/faculty-staff/courses/explisting/ (<http://www.registrar.iastate.edu/faculty-staff/courses/explisting/>)

**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 536: Preparing Publishable Thesis Chapters

(Cross-listed with ENGL). Cr. 3. F.S.

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 results from student-generated original research, 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

(1-0) Cr. 1. Repeatable, maximum of 8 credits. F.

*Prereq: graduate classification*

Focus on enhancing professional communication skills to convey scientific knowledge and discoveries to broader audiences. Emphasis on developing best practices for communicating science to a wide range of specialist and non-specialist audiences including disciplinary researchers, interdisciplinary scholars, industry professionals, governmental bodies, media representatives, and the general public.

## 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

(Cross-listed with ENGL). (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 via Center for Excellence in Learning and Teaching (CELT)*

Development of job application materials for faculty positions.

Considerations of faculty life issues such as job searches, tenure expectations, position responsibilities, and work-life balance. Visiting speakers from a variety of institutions share their experiences. Written components include presentation reflections and preparation of an application-ready academic job packet.

## GR ST 586: Preparing Future Faculty Intermediate Seminar

Cr. 3. S.

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

Development of additional job application materials for faculty positions and a working knowledge of a variety of other faculty skills to successfully navigate the first years on the job: inclusive classroom, ethics, public speaking, career management, and teaching skills from course design to delivery and assessment.

## 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*

Participants complete a stand-alone teaching experience at Iowa State or another institution of higher education. Written components include journaling, peer observation, reading reflection, and a teaching portfolio suitable for the academic job search process.

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

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

*Prereq: Permission of instructor.*

In-depth study of topic providing further academic professional development. Written components include journaling, project management, a project report, and a reading reflection.

**Courses for graduate students:**

**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.