



Fourth Year Milestone

This is a [DocuSign PowerForm](#).

I. Scholar Information

Name

I.D.

Date

II. Proposal Grading

The fourth year milestone is the presentation and defense of an original research proposal (ORP) in front of the faculty committee.

- **Main Point:** The ORP may be in any area of chemistry but must be on a topic not closely related to your research ongoing at Emory or research conducted at any institution you attended prior to coming to Emory.
- **Specific Output:** The ORP consists of both a written paper and an oral presentation.
- **Deadline:** The written component is due to your committee at least one full week prior to the oral presentation.

II-A. Written Component Guidelines

The written component of the proposal should be well-formulated and presented in sufficient detail that it for scientific merit. Include sufficient information to permit an effective review without the committee having to refer to the literature.

- **Of Note:** Brevity and clarity in the written proposal are considered indicative of the author's approach to the research and ability to conduct a superior project.

The proposal should not exceed ten pages and should include:

1. **Specific Aims:** State the specific purposes of the research proposal and the hypothesis to be tested. (1/2 - 1 page suggested)
2. **Background and Significance:** Sketch briefly the background to the proposal. State concisely the importance of the research described by relating the specific aims to broad, long-term objectives. (1 - 2 pages suggested)
3. **Research Design and Methods:** Provide an outline of:
 - a. Research design and the procedures to be used to accomplish the specific aims;
 - b. Tentative sequence for the investigation;
 - c. Any procedures, situations, or materials that may be hazardous to personnel and the precautions to be exercised. Potential experimental difficulties should be discussed together with alternative approaches that could achieve the desired aims.
4. **Literature Citations:** Provides citations at the end of the proposal. Each citation must include names of all authors, titles, book or journal, volume number, page numbers, and year of publication.

II-B. Oral Presentation Guidelines

The oral presentation should clearly define the proposed problem and how one would accomplish the proposed research.

- **What to Prepare:** The presentation should be 25-30 minutes and include about a dozen slides.
- **Details Managed by Scholar:** The scholar is responsible for coordinating the schedule of the research committee and securing a time and location for the defense that meets any A/V needs. The scholar should also initiate the feedback form in DocuSign prior to the defense and/or provide a hard copy at the milestone defense.

III. Primary Research Mentor Evaluation

Grade: S U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

- written component
- oral presentation

Comments:

Name

Signature

Date

IV. Committee Feedback

Committee Member #1

Grade: S U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

- written component
- oral presentation

Name

Signature

Date

Additional Comments Committee Member #1

Committee Member #2

Grade:

S

U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

written component

oral presentation

Name

Signature

Date

Additional Comments Committee Member #2

Committee Member #3

Grade: S U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

- written component
- oral presentation

Name

Signature

Date

Additional Comments Committee Member #3

Committee Member #4

Grade: S U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

- written component
- oral presentation

Name

Signature

Date

Additional Comments Committee Member #4

Committee Member #5

Grade: S U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

- written component
- oral presentation

Name

Signature

Date

Additional Comments Committee Member #5

Committee Member #6

Grade: S U

If a "U" grade is assigned, please indicate which component(s) of the proposal need improvement:

- written component
- oral presentation

Name

Signature

Date

Additional Comments Committee Member #6



PREVIEW

Handbook Reference

- [IV-3: Fourth Year Milestone](#)
- [VI-1: Probation Policy](#) (failure to submit, “U” grade)
- [VI-3: Petition Policy](#) (requesting an extension or modification)