

1. **CHM 4034 Chemical Biology of Nucleic Acids; Spring 2021**

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2. **Office Hours.** email for appointment

3. **Course objectives.**

After completing this course the student will:

- be able to recognize the major classes of stable RNAs involved in gene regulation in eukaryotes.
- be able to describe the how chemical (nucleotide analog synthesis, chemical probing, small molecule screening) and molecular methods (molecular cloning, next generation sequencing, selex, genome editing) are combined in the field of nucleic acid chemical biology.
- gain a detailed understanding of the current (<2yrs) nucleic acid chemical biology literature.
- gain additional experience and skill in oral and written scientific communication.

4. **Class Schedule – see next page**

5. **Grading.**

Course grade will be based on:

- submitted answers to *Weekly Topic Questions* and *Paper Questions*
- presentations of answers to *Weekly Topic Questions*
- research paper presentation / *Curr Opinions Article*
- participation in class discussion

6. **Class attendance.**

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:
<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Zoom sessions are not recorded, but audio presence is required

The participation portion of your grade for this class will be calculated on the basis of your attendance and your participation in class activities. Since the pedagogical approach of this course depends heavily on student engagement and interaction, you are required, at a minimum, to participate in class activities through the audio function of Zoom. Your video presence is invited as well.

7. Accommodations.

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

8. Recommended textbooks.

There is no single textbook for the material covered in this course. Primary instructional resources will be papers from the current literature, review articles and selected book chapters in the public domain. These resources will be provide online at the Canvas site for this course.

9. Current UF grading policies.

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

10. Online course evaluation process.

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

11. Materials and Supplies Fees

None