

Instructor in charge: Douglas Kankel

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Date **MCDB 470 (Tutorial in MCDB)** Class Yr.

Student's Name

Email: Phone

Title for Research

Tutorial Mentor's Name Phone

Tutorial Mentor's Email

# Papers submitting:

Individual or small-group study for qualified students who wish to investigate a broad area of biology not covered by regular courses. A student must be sponsored by a faculty member, who will set the requirements. The course must include one or more written examinations and/or term paper. To register, the student must prepare this form **and a written plan of study and bibliography**, approved by the tutorial mentor, and submit them to the Office of the Director of Undergraduate Studies or upload them to the Canvas site by **the last day of shopping period, either Fall or Spring graduation**. The final paper is due in the hands of the tutorial mentor with a copy to the course instructor in charge by **the last day of classes, either Fall or Spring graduation**. Electronic submission is acceptable and preferred to the office of the director of undergraduate studies: [andrea.chamba@yale.edu](mailto:andrea.chamba@yale.edu). (In special cases, with approval of the Director of Undergraduate Studies.

**Student Signature:**

**To the Tutorial Mentor:**

By signing this form, you agree to supervise the student's project. You also agree to grade the final paper and report a grade to the DUS Office based on exam(s) or term paper. This grade should be reported no later than **the end of reading period, Fall or Spring term**. Notification by email is acceptable and preferred to the office of the director of undergraduate studies: [andrea.chamba@yale.edu](mailto:andrea.chamba@yale.edu).

**Tutorial Mentor's Signature**

*Please attach this form to your proposal and return to the DUS Office email:*

*[andrea.chamba@yale.edu](mailto:andrea.chamba@yale.edu)*

# MCDB 470 Project Proposal

Student Name:

Project Proposal Title:

Areas of Study Interest:

Introduction/Subject:

Background (why it was chosen):

Assignments:

Midterm Paper 5-7 pages (single-spaced) discuss:

Final Paper 5-7 pages due last day of classes (single-spaced) discuss:

Tentative Weekly Meetings Schedule: The student will meet weekly with the advisor to discuss the week's papers. Meetings will be held on

References Cited:

## Guidelines for MCDB 470 (Tutorial in MCDB)

The following are some guidelines in addition to the requirements listed in the MCDB 470 form:

1. MCDB 470 is a **single-term** tutorial course. A student may take more than one term of MCDB 470 with approval from the DUS. The student must submit the required Tutorial Form and term papers each term, even if they take multiple terms of MCDB 470 with the same tutorial mentor.
2. MCDB 470 is a tutorial course on a chosen subject not offered in our regular course offerings. This course deals with published literature and does not include original laboratory research.
3. An MCDB 470 student is expected to spend a minimum of **10 hours weekly** on this course. **We do not approve double credit for students taking this course. For double credit for this course, must have the approval of the DUS by the end of shopping period.**
4. A student must be sponsored by a **Yale faculty member** who teaches undergraduates regularly and who is willing to meet with the student on a weekly basis. No postdoc or research associate can sponsor an MCDB 470 student.
5. Students are strongly advised to contact the tutorial mentor early (in the preceding semester) to arrange a subject and develop a proposal. The proposal should include:
  - Introduction and the subject (why it was chosen)
  - Tentative schedule of weekly meetings
  - Term paper(s) to be developed
  - 3 to 5 references cited.

The tutorial form and the proposal (plan) are due to the office of Director of Undergraduate Studies or uploaded to the Canvas site **no later than one week after the semester begins, either Fall or Spring term.**

6. An extensive written report is due in the hands of the tutorial mentor, along with a copy to the instructor in charge, by **the last day of classes either Fall or Spring term.** This report is on the order of 10 or more pages (single spaced), and should include:
  - Title Page
  - Abstract
  - Introduction to the project
  - Methods
  - Results
  - Discussion
  - References

Or, you may choose to write two reports of 5 pages or more single spaced, one by the midterm and one by the end of semester. You need to clearly state in your student contract whether you plan to submit one or two term papers. Your grade can not be given without your report(s).

7. Only MCDB 470 taken during the senior year can be used for senior requirement.