General instructions:

- The proposal should propose the use of genetic tools (method and rationales, analyses as described throughout the course) to explore scientific problem.
- The report should have a maximum of 3 pages (including the bibliography, but not including the cover page, see below).
- The document page setup must be 8 1⁄2" x 11" (216mmx279mm).
- Minimum margin: 2 cm (3/4 inch) (top, bottom and sides).
- The minimum font size is 10. Use Arial font with no condensed type.
- At the top of each page (in the header), indicate your name and the title of the proposal and number the pages sequentially in the footer.
- Consider your reviewers are scientists in your field or in related fields.
- **Important:** Any evidence of plagiarism will be reported to the Academic Code Enforcement Officer of the Dean's Office. Please read this description of plagiarism.

Following are the details of the criteria and the breakdown of scoring of your proposal. Please print the next page and use it as a cover page for your proposal. This cover page is not included in the 3 page limit.

Name:_____ **ID:**_____

Section	Score
Introduction: **1.** State the fundamental problem in a way that catches the attention and interest of the reader. **2.** The next few sentences should focus on a specific problem or question which you will resolve with the proposed research and provide background. What is known? Direct the focus to the problem or question that the proposed research will address. **3.** State the specific question or problem that your research will address in a sentence that ends with "… is unknown" or " ….. is only partially understood".	**/20%**
Project description, rationale and significance: **1.** Describe the theoretical (not methodological) approach, framework, and/or rationale that will be used. Genetic approaches/modern genome editing tools must to integral to the proposal, but other approaches may be proposed. **2.** Describe how the proposed research should be positioned within the context of the current knowledge in the field and the need or importance of the targeted knowledge. **3.** Describe the anticipated results. Give alternative possible results. **4.** Describe the novelty and innovative nature of the proposed research.	**/20%**
Methodology: **1.** Without details, outline the methodology (including timelines) and why each method was chosen. **2.** Outline (but do not describe in detail) the approaches and methods that you will use. **3.** Do not give methodical details unless they are highly original and necessary to understand the novelty of your proposal. **4.** Emphasis any innovation, novelty, and originality. **5.** Feasibility is a critical criterion here. Ensure that your approaches have a reasonable probability of success. Demonstrate feasibility by citing publications that have achieved similar goals for each step. Cite references that have done similar approaches. **6.** Describe any risk of failure and, if risk is significant, outline a contingency plan.	**/20%**
Overall importance: **1.** Describe the potential significance of your anticipated results and importance to research in your field, to a broader research community, and to health and/or development of technologies. Emphasize the novelty, originality and clearly describe how the anticipated results could advance the field and provide powerful tools and resources. **2.** Describe the plan to disseminate the findings and/or enhance the potential for impact.	**/20%**
General: **1.** Writing quality, including conciseness, clarity, organization, grammar, presentation (correct font, absence of typographical errors). Provide references for all points that are not your own. A penalty for exceptionally poor writing and or presentation is possible (i.e. points can be detracted below the 20% available for this criterion.) **2.** Penalty for late submission. - 10% /day	**/20%**
Total score	**/100%**