

## **Rubric - Presentations individual project**

This rubric totals 100 points and covers the key aspects of a bioinformatics project presentation, balancing content, presentation skills, technical understanding, and time management. It's tailored to the specific time constraints (4 minutes for presentation, 1-2 minutes for questions) and the student's academic level (senior undergrads and first/second-year graduate students). The presentations will be judged as pass/fail. The score to pass is 80.

### **Content (40 points)**

#### **1. Introduction (10 points)**

- A clear statement of the research question or problem
- Concise background information
- Relevance to bioinformatics clearly explained

#### **2. Methods (10 points)**

- Appropriate bioinformatics tools and techniques described
- Clear explanation of data sources and analysis pipeline

#### **3. Results (10 points)**

- Key findings presented clearly
- Appropriate use of visualizations (e.g., graphs, charts)

#### **4. Conclusion (10 points)**

- Main conclusions summarized
- Implications of findings discussed
- Future directions or applications mentioned

### **Presentation Skills (30 points)**

#### **1. Organization (10 points)**

- Logical flow of information
- Effective use of time
- Clear transitions between sections

#### **2. Delivery (10 points)**

- Clear and audible speech
- Appropriate pace
- Engagement with the audience

#### **3. Visual Aids (10 points)**

- The slides are clear and readable
- Effective use of graphics and text
- Proper labeling of figures and tables

### **Technical Understanding (20 points)**

#### **1. Mastery of Content (10 points)**

- Demonstrates a thorough understanding of the project
- Able to explain complex concepts in simple terms

#### **2. Response to Questions (10 points)**

- Provides clear and accurate answers to instructor's questions
- Demonstrates critical thinking in responses

### **Time Management (10 points)**

- Completes presentation within 4 minutes
- Allows time for questions