BIOINFORMATICS AND GENOMICS

Learning Outcomes

1. **Know**: demonstrate knowledge of core principles and primary literature in their specialty area including comprehension of methods, results, and data analysis in the specialty area.
2. **Apply/Create**: demonstrate ability to design and carryout a major research project in the field, including a description of previous work in the field and assemble new findings into a written work that advances understanding in the field.
3. **Communicate**: demonstrate ability to convey scientific ideas and results in clear, concise and original writing as well as formal oral presentations.
4. **Think**: demonstrate ability to critically analyze work by others in the fields of bioinformatics, computational, statistical, functional and evolutionary genomics.
5. **Professional Practice**: demonstrate comprehension of and commitment to ethical standards in the discipline. Demonstrate the ability to teach key concepts.
6. **Teach**: demonstrate the ability to teach key concepts of the discipline of bioinformatics, computational, statistical, functional and evolutionary genomics.