

**Module description:**

The OMICSS Experimental Techniques module covers the fundamental concepts of Experimental Techniques required to conduct research in the field of Bioinformatics. Paired with the other modules in the OMICSS course, students will have a solid foundation not only in the field of Experimental Techniques, but Bioinformatics as a whole.

**Module duration:**

1 week, 1.5 hours

**Module Outline:**

Week 1	Topics Covered	<ol style="list-style-type: none"> <li>1. Polymerase Chain Reaction (PCR)</li> <li>2. Gel Electrophoresis</li> <li>3. Sanger Sequencing</li> <li>4. NGS Sequencing</li> </ol>
	Learning Activities	<ul style="list-style-type: none"> <li>• Online lecture videos</li> <li>• Online lecture articles</li> </ul>
	Estimated duration	1.5 hours