

Biomanufacturing Kit – Module 1

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Module 1: New Hire Onboarding: Training, Regulations, Career Exploration

This section contains all curriculum documents for Module 1. Each module has an outline and syllabus. Each lesson has a teacher guide document. Each lesson is a separate subsection. Documentation forms for Module 1 are linked in the last subsection of the module on this page.

A. Module 1 Syllabus and Outline

- [Module 1 outline](#)
- [Module 1 Syllabus](#)

B. Module 1, Lesson 1 - Introduction to Biomanufacturing

- [Module 1, Lesson 1 Teacher guide: Module 1 Lesson 1 Teacher Guide](#)
- [Introduction to Biomanufacturing slide deck: Introduction to Biomanufacturing](#)
- [Intro to Biomanufacturing Graphic Organizer: Overview of Biomanufacturing Graphic Organizer](#)

C. Module 1, Lesson 2 - New Hire Onboarding

- [Module 2, Lesson 2 Teacher Guide: Module 1 Lesson 2 Teacher Guide](#)
- [Creation of Team Names and Logos slide deck: Company Name and Logos](#)
- [PPP New Hire Welcome Document: PPP New Hire Welcome Document](#)

D. Module 1, Lesson 3 - New Hire Training (FDA, GMP)

- [Module 1, Lesson 3 Teacher Guide: Module 1 Lesson 3 Teacher Guide](#)
- [Lab Safety Training \(slide deck and assignment\)](#)
 - [Lab Safety Training](#)
 - [Laboratory Safety Assignment](#)
- [FDA and GMP Training slide deck: The FDA and the Origins of GMP](#)

- FDA Assignment: Intro to the FDA Assignment
- GMP Assignment: Intro to GMP Assignment
- GMP Card Sort: Game board, cards, KEY
 - Intro to GMP Assignment
 - GMP Card Sort Board and Cards
 - GMP Training KEY

E. Module 1, Lesson 4 - Job Assignments/Career Exploration

- Module 1, Lesson 4 Teacher Guide: Module 1 Lesson 4 Teacher Guide

Team Job Descriptions

- Job Description - Downstream Process Technician
- Job Description - Process Engineer
- Job Description - QA Technician
- Job Description - QC Technician
- Job Description - Upstream Process Technician

Career Explorations Assignments and Video Links

- Career Exploration Assignment Option 1
- Career Exploration Assignment Option 2
- Biomanufacturing Careers Video Links

F. Module 1, Lesson 5 - Standard Operating Procedure (SOP) Training

- Module 1, Lesson 5 Teacher Guide: Module 1 Lesson 5 Teacher Guide
- Creating an SOP Assignment: Creating a Micropipetting SOP
- SOP Importance, Template
 - Importance of SOPs
 - Standard Operating Procedure Template
- SOP Examples
 - Student Example Simple Steps Format SOP

- LAB 15 - SOP-GFP002-Transformation of E coli with GFP

G. Module 1, Documentation Forms

- Team Role Record
- Team Training Record