

Anatomy and Physiology II

Learning Guide: Digestive System

Overview – We will start at the mouth and progress through the digestive tract to the anus. Along the way, there will be some interesting side trips: the pancreas, gall bladder, and liver. Special physiological issues will be reviewed in the process, including gastric regulation, lipid digestion and transport, and others. Given this, it is clear that this is a large module.

Review Topics – Occasionally, applications from select topics covered in the cytology and chemistry lectures of A&P I will be present, but these should not pose issues. The subject of emulsification from A&P I will be foundational for discussing LDL, HDL, etc. I will review the foundational topics as they arise.

Getting Started – The digestive system is divided into two parts.

- **Part A** will go from an introduction to the system through Gastric Regulation.
- **Part B** will go from the small intestine to the rectum.

Exam – We will *attempt* to divide this unit into two smaller exams. Check your syllabus or [Course Schedule](#) to see if this is the case. Exam details for both parts A and Part B:

- **Part A** will go from introducing the system to Gastric Regulation. The exam will include several anatomical images. There is no Guided Essay, but Gastric Regulation and a few other physiological topics will be covered, which you will want to know well.
- **Part B** will go from the small intestine to the rectum. At least six anatomical images are provided for name/function identification. There is also a significant Guided Essay (for 52 points) on Lipid digestion, transport, and regulation.

Check your [Course Schedule](#) to see if you are doing both Parts in one exam, or if there are two separate exams, one for Part A, and one for Part B.

Laboratory – the laboratory will review the digestive system's structures similarly as in previous units. The second lab practical is always fill-in-the-blank.

The [Laboratory Preparation Guide](#) provides a detailed list for your preparation.

Please read the first part of Page #1 carefully, as it will guide you in terms of the scope of your preparations. Video and image support can be found [HERE](#).

Exam Administration – Lab practicals are always administered with 2 ½ to 3 minutes per station. The presentation will vary according to modality.

- **In-Class Practical** – The material presented in the lab will be presented at numbered stations. Each student will have 2 ½ to 3 minutes per station to answer the questions. There is no backtracking.
- **Blackboard Practical** – This exam will primarily consist of images from online laboratory support. All the images and videos that accompany this are found [HERE](#).

Final Point – This is a large unit, so please plan accordingly. It is also a good idea to begin looking at the associated lab material, as this will reinforce a visual approach to the anatomy.