

CURRICULUM OVERVIEW

Physicians, Pharmacists, Dentist,
Veterinarians and Other Doctors

Career and Technical Education Series



Table of Contents

PHYSICIANS, PHARMACISTS, DENTISTS, VETERINARIANS AND OTHER DOCTORS COURSE OVERVIEW..... 1
UNIT 1: PHYSICIANS, PHARMACISTS, DENTISTS, VETS AND OTHER DOCTORS..... 2
UNIT 2: PHYSICIAN AND PHYSICIAN ASSISTANT..... 2
UNIT 3: DENTISTS AND PHARMACISTS..... 2
UNIT 4: OPTOMETRY AND VETERINARY MEDICINE 3
UNIT 5: COMPLEMENTARY AND ALTERNATIVE MEDICINE 3
UNIT 6: COURSE REVIEW AND EXAM 3

Physicians, Pharmacists, Dentists, Veterinarians and Other Doctors Course Overview

This course focuses on preparation for physician-level careers, including dental, veterinary and pharmaceutical, along with a look into the Physician Assistant and alternative medicine systems. This course will also introduce the topics of diversity, and the move toward an emphasis on social and cultural skills in medicine, in addition to academic ability.

These careers are usually the lead in the health care system, directing the care of their patients, whether that is through primary care, direct care, pharmaceuticals, or, if the patients happen to be animals! Generally, requiring a longer course of study and an advanced degree delineates these careers. Their programs are quite often competitive at the entry level.

In this course, we will focus on the preparation for entry to practice, along with navigating the field once you are in it (working as part of a team, dealing with patients, etc.). In order to help you to best choose your career path, we will study different roles, responsibilities, settings, education needs and amounts of patient contact. We will look at things like the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day.

Then, within each job group, we'll explore important aspects that are applicable to the entire health field, such as behaving ethically, keeping patients safe and free from infections and germs, and following laws and policies. This course will also focus on diversity, and the need for social and cultural skills in medicine, in addition to academic ability.

- **Introduction to Professional Degrees:** Students will explore planning for different careers in the health sciences.
- **Physician and Physician Assistant:** Students will learn about different types of medical degrees and practices, as well as the profession of physician assistant and its many opportunities.
- **Dentists and Pharmacists:** Students will explore the careers of dentistry and pharmacy.
- **Optometry and Veterinary Medicine:** Students learn about the professions of optometry and veterinarian medicine and its related fields.
- **Complementary and Alternative Medicine:** The role of the alternative medicine in the health field will be the focus of this unit.

Since this course leans heavily on reporting and research, students should already know how to choose appropriate resources (especially online), and how to properly cite those resources.

Unit 1: Physicians, Pharmacists, Dentists, Vets and Other Doctors

Assignments

- | | |
|---|---|
| 1. Course Overview | 10. A Few Important Things You Should Know NOW: Credit, Cell Phones and Other Bills |
| 2. Planning for a Career as a Medical Professional: Academics | 11. A Few Important Things You Should Know NOW: Integrity, Honesty, and Character |
| 3. Project: Successful Test Taking | 12. Project: DEA Licensing |
| 4. Planning for a Career as a Medical Professional: Volunteerism and Community Service | 13. Quiz 2: A Few Important Things You Should Know NOW! |
| 5. Project: Mentor Letter | 14. Special Project* |
| 6. Planning for a Career as a Medical Professional: Success and Positive Thinking; It's No Accident | 15. Test |
| 7. Quiz 1: Planning for a Career as a Medical Professional | 16. Course Project - Part 1: Marketing Research and Analysis* |
| 8. A Few Important Things You Should Know NOW: The Trap of Social Media | 17. Glossary and Credits |
| 9. Project: Social Media Action Plan Chart | |

Unit 2: Physician and Physician Assistant

Assignments

- | | |
|---|---|
| 1. Physicians: The M.D., Medical Doctor | 10. Physician Assistant: Primary Care in Rural and Urban Settings |
| 2. Project: Crohn's Disease Research | 11. Project: Physician Assistant Day in the Life |
| 3. Physicians: The D.O., Doctor of Osteopathy | 12. Physician Assistant: Day in the Life, Part II |
| 4. Project: Board Specialty Research | 13. Project: The PA Code of Ethics |
| 5. Physicians: Primary Care, Family Practice, and Other Medical Specialties | 14. Quiz 2: Physician Assistant |
| 6. Project: AMA's Code of Medical Ethics | 15. Special Project* |
| 7. Quiz 1: Physicians | 16. Test |
| 8. Physician Assistant: History, Education, and Scope of Practice | 17. Course Project - Part 2: Case Study on Crohn's Disease* |
| 9. Project: Physician Assistant Career History Timeline | 18. Glossary and Credits |

Unit 3: Dentists and Pharmacists

Assignments

- | | |
|---|---|
| 1. Dentistry: History and Career Introduction | 8. Project: Pharmacy Math |
| 2. Project: Ethical Issues in Dentistry | 9. Pharmacists: Pharmacists and Ethics |
| 3. Dentistry: Introduction to Oral Health and Its Connection to Heart Disease | 10. Pharmacists: Career Paths for the Pharmacist |
| 4. Dentistry: General Dentistry, Public Health and Specialties | 11. Project: Pharmacists' Role Compare and Contrast |
| 5. Project: Gaps in Dental Care | 12. Quiz 2: Pharmacists |
| 6. Quiz 1: The Dental Profession | 13. Special Project* |
| 7. Pharmacists: Becoming a Pharmacist, Intro to the Career | 14. Test |
| | 15. Course Project - Part 3: Stitches* |
| | 16. Glossary and Credits |

Unit 4: Optometry and Veterinary Medicine	
Assignments	
1. Becoming an Optometrist	10. Project: Cosmetic Surgery for Animals
2. Project: Optometry Career Chart	11. One Health: Zoonotic Diseases and Public Health
3. New Frontiers in Eye Care	12. Project: Researching an Outbreak
4. Project: Write Your Own Test	13. Quiz 2: Veterinary Medicine
5. A Day in the Life of an Optometrist	14. Special Project*
6. Quiz 1: Optometry	15. Test
7. Becoming a Veterinarian	16. Course Project - Part 4: Case Study of a Disease Outbreak*
8. Project: Ethics for Veterinarians	17. Glossary and Credits
9. Veterinary Specialties	

Unit 5: Complementary and Alternative Medicine	
Assignments	
1. History and Intro into Oriental Medicine	9. Integrative Medicine
2. Project: Comparing and Contrasting Fields of Medicine	10. Project: Creating a Personal Wheel of Health
3. Principles and Theories	11. Career Exploration
4. Project: Diagnosing Patient Case Study	12. Project: Case Study
5. Techniques and Applications	13. Quiz 2: Naturopathic
6. Quiz 1: Acupuncture/Oriental Medicine	14. Special Project*
7. The Field of Naturopathy and the Naturopathic Doctor	15. Test
8. Project: Critiquing Naturopaths	16. Course Project - Part 5: Integrative Medicine*
	17. Glossary and Credits

Unit 6: Course Review and Exam	
Assignments	
1. Course Project - Part 6: The Finale*	2. Review
	3. Exam

(*) Indicates alternative assignment