## MN Medical Anatomy and Physiology Syllabus

### Course Description:

This comprehensive capstone Medical Anatomy and Physiology course focuses on body functions and how they relate to body systems. Students have the opportunity to gain greater knowledge and skills in medical terminology and common human diseases and disorders.

Critical thinking and analyses of clinical studies, through lab and clinical experiences typical of real life settings, allow students to integrate academic and experiential learning. The intent of the course is to help students excel in future health care programs of study. The course is aligned with several biology core standards and national healthcare foundation standards.

**Recommended for grades:** 10-12 **Hours Required:** One Semester **Recommended Prerequisites:** None

### Crosswalk Legend for Table

**NHSS:** National Health Science Standards

**K-12:** K-12 Academic Standards

**FKS:** Foundation, Knowledge, & Skills

**CRP:** Career Ready Practices

**CO:** Course Objectives

## Table 8A: Medical Anatomy and Physiology Crosswalk

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CO: Course Objectives** | **NHSS** | **K-12** | **FKS** | **CRP** |
| 1. Classify basic structural and functional organization of the human body (chemical, cellular, tissue, organ, and system). | 1 | Life Science 9.4.1 | 3,14 | CPR.02 CPR.08 |
| 2. Recognize body planes, directional terms, quadrants and cavities. | 1 | 9.4.1.1 | 14,10 | CPR.02 CPR.08 |
| 3. Analyze basic structure and function of the human body. | 1 | 9.4.1.2. | 14,3 | CPR.02 CPR.08 |
| 4. Describe the common diseases and disorders of each body system (prevention, pathology, diagnosis, and treatment). | 1 | 9.4.4.1.1. | 14,6,7 | CPR.02 CPR.08 |
| 5. Recognize emerging diseases and disorders. | 1 | 9.4.4.2.2. | 6,7,14,10 | CPR.02 CPR.08 |
| 6. Use roots, word parts, prefixes, suffixes and combining forms to communicate healthcare information. | 2 | 9.11.339.11.6.6 | 10,15 | CPR.04 |
| 7. Use medical abbreviations to communicate information. | 2 | 9.11.339.11.6.6 | 10,15 | CPR.04 |
| 8. Contrast various types of immunity. | 7 | 9.4.4.2. | 14,11 | CPR.02 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CO: Course Objectives** | **NHSS** | **K-12** | **FKS** | **CRP** |
|  |  | 3 |  | CPR.08 |

### Additional Resources

Free High School Anatomy and Physiology lessons and learning activities:

* + [The Health and Science Pipeline Initiative (HASPI)](http://www.haspi.org/)
	+ Register for free password

Free lesson plans for Anatomy and Physiology

* [From the Texas Education Agency CTE](http://cte.unt.edu/health/anatomy-physiology)

Other lessons/resources for the MN Medical Anatomy and Physiology Course found on the

* [Health Force Minnesota Website](http://www.healthforceminnesota.org/)

## Table 8B: MN Medical Anatomy & Phys Program Approval and Course Codes

|  |  |
| --- | --- |
| **Career & Technical Education Program** | **Health Science Technology** |
| Course Type | Foundation Course |
| Health Science Pathways | Therapeutic Services, Health Informatics, Support Services, Diagnostic Services, Biotechnology Research and Development |
| Program Code and Title (Table C Tab): | #070208 (Allied Health)#070300 (Health Science Technology Education)#070303 (Nursing Services)#070907 (Emergency Medical Services) |
| Uniform Financial Accounting & Reporting Standards (UFARS) CodesMinnesota Legal Reporting Standards for all School Districts (Table C) | # 321 |
| Course Code (Table C Tab) | # 13 Medical Terminology |
| [Minnesota Common Course Catalogue](http://education.state.mn.us/MDE/dse/datasub/MCCC/index.html) | #14154 |
| Teacher of Medical Careers License (Table C – License Lookup Tab)(Licensure Code & Title) | # |
| Classified Instructional Program (CIP) (Table C Tab) | #51.0000 |
| Grade Levels | 10-12 |
| Recommended Length/Hours | Example: Semester |
| Technical Skills Assessment |  |