



PTAP 130 Pathophysiology for A/H Student Section Name Section Credit Hours Credits
Syllabus

Course Information

Meeting times and location: section meeting_times section location

Catalog description: Introduction to the function, anatomical components, and pathologies of each system within the human body. Prerequisite: Acceptance into the PTA Program.

Terms offered: Spring and Summer

Section-specific Course Description:

Course Level Objectives

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Describe the integration of systems related to the human body.
2. Differentiate differences in pathology related to age, gender, race, and ethnicity.
3. Recognize the risks related to poor health behaviors.
4. Review pathologies resulting from congenital and childhood diseases and conditions.
5. Examine pathologies related to the immune system.
6. Describe pathologies related to the endocrine system.
7. Differentiate between pathologies related to the eye and ear.
8. Examine pathologies related to the integumentary system.
9. Describe pathologies related to the musculoskeletal system.
10. Explain pathologies related to the digestive system.
11. Identify pathologies related to the cardiopulmonary system.

12. Review pathologies related to the urinary system
13. Examine pathologies related to the reproductive system.
14. Describe pathologies related to the neurological system.
15. Clarify pathologies related to mental disorders.
16. Examine pathologies related to trauma.
17. Practice Professional Behaviors Student's Self-Assessment related to course content.
18. Describe basic concepts related to the APTA Guide to Physical Therapist Practice.

Specific Learning Objectives

Upon successful completion of the course, the student will be able to...

- 1 Describe the integration of systems related to the human body.
 - 1a. Explain how individual systems are integrated to function together.
 - 1b. Relate common diagnostic tests and procedures.
2. Differentiate differences in pathology related to age, gender, race, and ethnicity.
 - 2a. Describe how responses to common pathologic conditions may vary with age, gender, and race.
 - 2b. Identify selected pathologies for which racial or ethnic groups may be predisposed.
3. Recognize the risks related to poor health behaviors.
 - 3a. Describe the consequences resulting from poor health behaviors.
 - 3b. Describe the effects of modeling poor health behaviors.
4. Review pathologies resulting from congenital and childhood diseases and conditions.
 - 4a. Describe the function, anatomical components, and pathologies of congenital and childhood diseases and conditions.
 - 4b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to congenital and childhood diseases.
5. Examine pathologies related to the immune system.
 - 5a. Describe the function, anatomical components, and pathologies of the immune system.
 - 5b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the immune system.

6. Describe pathologies related to the endocrine system.

6a. Describe the function, anatomical components, and pathologies of the endocrine system.

6b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the endocrine system.

7. Differentiate between pathologies related to the eye and ear.

7a. Describe the function, anatomical components, and pathologies of the eye and ear.

7b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the eye and ear.

8. Examine pathologies related to the integumentary system.

8a. Describe the function, anatomical components, and pathologies of the integumentary system.

8b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the integumentary system.

9. Describe pathologies related to the musculoskeletal system.

9a. Describe the function, anatomical components, and pathologies of the musculoskeletal system.

9b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the musculoskeletal system.

10. Explain pathologies related to the digestive system.

10a. Describe the function, anatomical components, and pathologies of the digestive system.

10b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the digestive system.

11. Identify pathologies related to the cardiopulmonary system.

11a. Describe the function, anatomical components, and pathologies of the respiratory system.

11b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the respiratory system.

11c. Describe the function, anatomical components, and pathologies of the circulatory system.

11d. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the circulatory system.

- 11e. Identify the direction of the blood flow through the heart and lungs.
12. Review pathologies related to the urinary system.
- 12a. Describe the function, anatomical components, and pathologies of the urinary system.
- 12b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the urinary system.
13. Examine pathologies related to the reproductive system.
- 13a. Describe the function, anatomical components, and pathologies of the reproductive system.
- 13b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the reproductive system.
14. Describe pathologies related to the neurological system.
- 14a. Describe the function, anatomical components, and pathologies of the nervous system.
- 14b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the nervous system.
15. Clarify pathologies related to mental disorders.
- 15a. Describe the function, anatomical components, and pathologies of the mental disorders.
- 15b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the mental disorders.
16. Examine pathologies related to trauma.
- 16a. Describe the function, anatomical components, and pathologies related to trauma. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to trauma.
17. Practice Professional Behaviors Student's Self-Assessment related to course content.
- 17a. Commitment to Learning – Demonstrate the ability to self-assess, self-correct, and self-direct. Identify needs and sources of learning. Seek new knowledge and understanding.
- 17b. Interpersonal Skills – Demonstrate the ability to interact effectively with patients, families, colleagues, other health care professionals, and the community. Demonstrate the ability to effectively deal with cultural and ethnic diversity issues.
- 17c. Communication Skills – Demonstrate the ability to communicate effectively (i.e., speaking, body language, reading, writing, and listening) for a varied audiences and purposes.

17d. Effective Use of Time – Demonstrate the ability to obtain maximum benefit from a minimum investment of time and resources.

17e. Use of Constructive Feedback – Demonstrate the ability to identify sources and seek out feedback and to effectively use and provide feedback for improving personal interaction.

17f. Problem-Solving – Demonstrate the ability to recognize and define problems, analyze data, develop and implement solutions, and evaluate outcomes.)

17g. Professionalism – Demonstrate the ability to exhibit appropriate professional conduct and to represent the profession effectively.

17h. Responsibility – Demonstrate the ability to fulfill commitments and to be accountable for actions and outcomes.

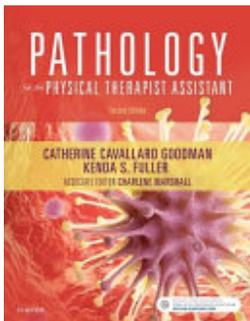
17i. Critical Thinking – Demonstrate the ability to question logically; to identify, generate, and evaluate elements of a logical argument; to recognize and differentiate facts, illusions, assumptions, and hidden assumptions; and to distinguish the relevant from the irrelevant.

17j. Stress Management – Demonstrate the ability to identify sources of stress and to develop effective coping behaviors.

18. Describe basic concepts related to the APTA Guide to Physical Therapist Practice.

18a. Integrate basic concepts presented in the APTA Guide to Physical Therapist Practice related to course content.

Required Texts and/or Materials



Pathology for the Physical Therapist Assistant

9780323395496

Catherine C. Goodman, Charlene Marshall

Saunders

2016-12-09

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Physical Rehabilitation

9780803694644

Susan B O'Sullivan, Thomas J Schmitz, George Fulk

F.A. Davis



2019-01-25
7th

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Course Requirements

Students will do the following activities:

- **Maintain professionalism & respect**
- **Check-in to the course regularly to ensure you are reading announcements, checking emails, etc.**
- **Complete all assignments (e.g., virtual lab skills, self-assessments, peer-assessments, synchronous meetings via zoom, assignments, exams, etc.) in accordance with the course schedule**
- **Critically analyze tasks offering realistic and constructive input**
- **Effectively communicate with classmates and instructors when questions arise**
- **Schedule meetings with the instructor, if requiring additional assistance**
- **Ensure that all technology is working for success in this course**
- **Contact tech support if problems arise with technology**

5 total quizzes in the following format: Multiple choice, short answer, essay, true/false, and matching. 15% of the grade.

3 total assignments over various chapters of the book. All assignments are short answers and fill in the blank. 15% of the grade.

3 total exams in the following format: primarily multiple choice with a few short answer/essay and matching.

- Exam 1- Modules 1-3: 15% of grade
- Exam 2- Modules 1-6: 25% of grade
- Exam 3- Modules 1-9: 30% of grade

In addition to these graded activities, the student is expected to participate in online discussions, zoom meetings, and test reviews.

Other Classroom Policies and Expectations

LATE WORK

Due dates for every assignment are provided on the course syllabus and course schedule (posted in Canvas). Unless otherwise stated, assignments are due according to the course schedule.

The PTA faculty recognize that sometimes "life happens." In these instances, you may use your allotted 2 "flex." These days allow you to submit an assignment(s) up to two days late without penalty. For example, you can use 2 flex days on one assignment that is two days late. Alternatively, you can use 1 flex day on one assignment that is one day late, and then 1 flex day towards another assignment. You do not need to provide the instructor with the reason: simply email the instructor how many of your flex days you would like to use. Flex days cannot be used for group assignments or assignments with a partner as it would impact the grade of another student. These "flex days" do not apply to exams or the peer-assessed portion of a virtual lab skill.

Once you have exhausted your 2 flex days, then late point deductions will occur for any assignment submitted after the deadline. A 10 point deduction will occur each day that passes beyond the due date and up to 72 hours (e.g. an 84 would be a 74 on day 1, a 64 on day 2, etc.). Assignments submitted more than 72 hours after the due date will not be accepted and you will receive a 0.

If you experience extenuating circumstances (e.g., you are hospitalized) that prohibit you from submitting your assignments on time, please let the instructor know. The instructor will evaluate these instances on a case-by-case basis.

Grading

Final grades are calculated based on the following...

LECTURE	
Lecture Exam 1	15%
Lecture Exam 2 (Midterm)	25%
Lecture Exam 3 (Final)	30%
Quizzes (5)	15%
Assignments	15%
Total	100%

PTA Grading Scale:

A	92 – 100%
B	84 – 91%
C	76 – 83%
D	68 – 75%
F	< 67%

GRADE BREAKDOWN

1. The course grade is determined by a mix of formative and summative assessments (e.g., online discussion boards, assignments, quizzes, lecture exams, lab practicals) as specified in the Syllabus.
2. Students are expected to complete all assessments (e.g., online discussion boards, assignments, quizzes, lecture exams, lab practicals) as scheduled in the course syllabus. If an assessment is not completed as scheduled, the grade may be impacted as outlined in the Attendance Policy.

Course Time Commitment

In order to be successful in this course, you will need to set aside a minimum of 8 hours per week.

Canvas Participation and Expectations

Online – Students are expected to participate regularly and submit all course assignments, based on the syllabus. A student who does not submit any assignments during a consecutive 10% of the course (1.5 weeks of a 15-week semester or 1 week of a 10-week semester) without consulting the instructor, may be considered as having abandoned the course. Logging in does not meet the attendance standard.

Late work is not accepted once the flex option has been used.

Failure to Meet Class Participation Expectation:

Students who fail to meet participation expectations will have their last date of attendance recorded. This date will be used to recalculate any financial aid received/veteran's benefits received, and the student may be required to repay the institution/government. If the student does not drop the course, an 'X' grade will be recorded. An 'X' grade impacts the grade point average the same as an 'F'.

In order to be successful in this course, you are required to check in on a weekly basis. It is recommended to check in regularly throughout the week to keep up with continuous communication and provide input in the general discussion board. There will be weekly announcements posted to the course. Read the announcements for specific requirements and additional information as it pertains to the modules that are covered for the week.

- Online communication expectations ("Netiquette"): (Please refer to SJC online services for further information)

Participation and Attendance Policy

ATTENDANCE POLICY

This PTA Program Attendance Policy supplements the college's attendance policies found in the SJC Academic Catalog and SJC Student Handbook. Unless otherwise outlined in the course syllabus, this Attendance Policy applies to all classroom, lab, and clinical experiences. Since absenteeism negatively impacts a student's ability to learn, students are expected to attend the entire duration of all scheduled activities. Students may need to arrive early to be sufficiently prepared for the learning experience, especially during clinical rotations. Tardiness is considered an absence. An absence is defined as failing to attend part or all of a scheduled activity (e.g., arriving late to class, returning late after a break, taking an unscheduled break, leaving early, failing to show up).

General Attendance Guidelines

1. For planned situations, the student is expected to discuss for the requested absence with the instructor as soon as possible, but not later than 48 hours prior to the start of the time of the requested absence.
1. For unplanned situations, the student is expected to notify the instructor as soon as possible. Having a classmate inform the instructor in lieu of notifying the instructor directly is unacceptable.
2. The instructor of record retains the right to determine if any absence (planned or unplanned) is excused or unexcused.

3. For online or online hybrid classes, attendance is defined as logging into the course in Canvas and completing the required activities according to the outlined schedule.
4. Failure to adhere to the Attendance Policy, failure to provide timely notification, and a pattern of absences may result in absences being counted as unexcused and/or the behavior being addressed with a Professional Development Plan.
5. Failure to comply with the outlined Professional Development Plan will result in a Student Conduct Violation and will be reported as outlined in the SJC Student Handbook.

Instructor Response Times & Regular Interaction Expectations

I will make every effort to get back to you within 48 hours except weekends and holidays. All exams, assignments, and lab videos will be graded with feedback provided one week after the due date. Grades will be released to students upon successful completion and grading of all exams.

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

Course Schedule to be added

Program Handbook

Please see Canvas PTA Program Handbook

Technical Support

Technical support is available through the San Juan College Help Desk 24/7/365. The help desk can be reached at 505-566-3266 or by creating a ticket at [San Juan College Help Desk](#).

For password reset and Canvas support, visit the [Student Technology Guide](#) website.

Accessibility/Privacy Policies for all Technology Tools Used

[Accessibility/Privacy Policies for all Technology Tools Used](#)

Student Support

At San Juan College, we are committed to supporting your academic success and overall well-being. We recognize that college life can be challenging and stressful, impacting both learning and personal health. We are here to help you succeed.

Academic Support and Resources

We provide a range of academic support services to help you stay on track on your educational journey. Free resources include tutoring, computer loans, life skills workshops, and so much more. Visit the [Academic Support and Resources](#) webpage to learn more about support and resources available through Academic Advising, the Tutoring Center, the Student Resource Center (formerly Student Achievement Center) and the Testing Center.

Student Support and Resources

If you or someone you know could benefit from counseling, accessibility services, career exploration, veteran transitional assistance, or any of our other support services, visit the [Student Support and Resources](#) webpage where you'll find detailed information about various resources available to you as an SJC student.

We encourage you to take advantage of these free resources to enhance your college experience and ensure your success.

College Policies and Resources for Current Students

The [Student Handbook](#) provides information on student support, student organizations, and student conduct policies at San Juan College.

The San Juan College catalog outlines the [Academic Policies](#) students need to know.

Healthy and Safe Practices for Being on Campus

We want a healthy and safe campus for students, faculty, staff, and guests.

Contagious diseases and your responsibility:

If you have COVID-19 symptoms, fever, flu or even the common cold, you should stay home. Do not come to campus if you are feeling sick. Contact your instructor about missing class (and review your instructor's policies on missed or late work). Being sick does not necessarily excuse you from completing your work on time.

Safety on campus and your responsibility:

If you are on campus and experience or witness an emergency, call 9-1-1 first and then the Department of Public Safety at 505-566-3333 (or just 3333 if calling from a campus phone).

When you are on campus, be aware of your surroundings. If you need an escort to your vehicle, call 505-566-4444 (DPS non-emergency line) or 505-215-3091 (officer on duty line).

The College will send information for campus emergencies through SJC AlertAware, email and the webpage. Stay informed and stay safe.

Inclement Weather Information

Students will receive notification of class delays and cancellations due to inclement weather via the SJC AlertAware and SJC student email. Face-to-face classes will not meet in person; however, students are advised to check with instructors about alternative meeting options, as some may choose to meet via zoom. Hybrid classes will meet as scheduled via zoom. For questions regarding your class delay or cancelation, please contact your instructor.

Online Course Fee

Online Courses - San Juan College requires all online courses to include some form of assessment to demonstrate the mastery of course objectives. This could include exams, capstone projects, e-portfolios, presentations, final papers or other appropriate assessments. The use of a proctoring platform, plagiarism detection software or other method to ensure that assessments are completed by the enrolled student is required.

A course fee of \$5.00 is assessed for all online courses at San Juan College to cover the cost of the above services. Students who are required to take a proctored exam and choose to use a physical testing center outside the SJC Testing Center or SJC Disability Services will be responsible for the cost of using that center.