Instructor Information

Instructor: Karen K. Smith, M.Ed., RHIA, CDIP, CPC
Office: BTC-226
Mailbox: BTC-312
Hours: Per request
Phone: 501-517-2098
Email: Use Course Messages

*All emails and telephone calls will receive a response within two business days.

Dean: Dr. Marico Bryant-Howe 501-812-2342 mbryanthowe@uaptc.edu

*If your emails and telephone calls do not receive a response within two business days, the appropriate chain of command is above.

Course Information

3 Credit Hours (3 hours lecture, exercise, assignment, quiz)

Catalog Description

Application of methods for implementing and managing health information systems in acute and ambulatory health care environments.

Course Materials


AHIMA Student Membership. All students are highly recommended to become student members of AHIMA (the national association for Health Information Management practitioners), and to maintain their membership throughout enrollment in the program. Membership is per year. The renewal date will depend on the date when the student first initiated the membership. AHIMA will notify the student when their membership is due for renewal. Renewing membership and paying the related fees are the responsibility of the student.

AHIMA Virtual Lab Subscription
Mission Statement

University of Arkansas – Pulaski Technical College provides access to high-quality education that promotes student learning and enables individuals to develop to their fullest potential.

Institutional Learning Outcomes and General Education

UA-PTC supports a college-wide institutional learning assessment program which concerns effective instructional methods and promotes student learning achievement by assessing:

1. Communication
2. Critical Thinking
3. Cultural Awareness
4. Information Literacy
5. Professionalism
6. Quantitative Literacy
7. Technology Literacy

For more information, please consult the following website: https://uaptc.edu/sla

Department / Program Learning Outcomes

The Business department, consistent with the College’s mission and the Division’s objectives, encourages the success of its students in all technical fields and academic disciplines by promoting:

1. Written Communications - Students will demonstrate written communication skills appropriate for business situations.
2. Oral Communications - Students will create and effectively deliver oral presentations that are concise and informative and conduct research appropriate to the task at hand.
3. Teamwork - Students will demonstrate effective interpersonal skills and the ability to work effectively in teams of diverse composition.
4. Quantitative Reasoning and Financial Analysis Skills - Students will demonstrate the ability to perform basic financial analysis.
5. Computer Skills - Students should demonstrate proficiency in the use of general productivity software in business applications with an emphasis on Microsoft Excel and Microsoft Word.
6. Competency in Discipline - Students will demonstrate the ability to apply theories and methods to the solution of common types of problems related to their academic field.
7. Global Perspectives - Students will demonstrate an understanding of global dimensions of business including socio-cultural, political-legal, technological and economic environments.
Student Learning / Course Outcomes

Upon completion of this course, the student will be able to:

1. Describe various uses of systems (manual and computerized) applied to the Health Information Management departments in acute and ambulatory healthcare facilities.

2. Explain the types and functions of the systems studied in this course to include word processing, spreadsheet, database, cancer registry, transcription, encoder, chart tracking/locating, incomplete record/physician delinquency processing, forms content, and ad-hoc report design.

3. Develop and/or use applications for the above systems appropriately.

4. Identify and understand the use of operating systems and these differ from applications software.

5. Use resource materials (software) in preparing accurate reports and choosing types of applications appropriate for different situations as given by the instructor.

6. Discuss current issues related to the computerization of the health record.

7. Explain the different systems of storage, maintenance, and retrieval including indices and registers used in healthcare.

8. Understand the basic functions of computer communications from the user’s perspective to include LANs, WANs, Internet, email, and personal computers.

9. Discuss the various uses of biometrics to aid in automatic identification to include such systems as fingerprints, retinal scans, and voice recognition technologies.

10. Explain the voice recognition technology such as Kurzweil within the various applications used in healthcare facilities.

11. Explain the information systems processing to include: input, processing, output, storage and how information technology is used in healthcare decision making as well as the basic components of microcomputers with a knowledge of hardware and software.

12. Understand the application of computers for management of information systems, information systems development, and program development.

13. Use and describe systems used in the Health Information Management field to include: chart tracking, record control, number control, chart completion, chart deficiency, release of information, and master patient index.

14. Describe the eight phases of the information systems life cycle.

15. Use and describe various methods of storage systems used in the Health Information Management field to include: moveable and stationary file shelving, microfiche, microfilm, CD, optical disk, and alpha filing.

16. Calculate mathematical formulas for use in determining MPI and filing shelf inches given scenarios by the instructor.

17. Understand the computerized patient record vs electronic patient record as well as the security issues, ethical issues, viruses, and the role of the Internet.

18. Understand networks, telemedicine, and other concepts of technology within the healthcare environment as well as terms such as data dictionary, data warehousing, and data mining.

19. Describe the basic nomenclatures and classification systems used in healthcare to include: BNA, SNDO, CMIT, SNOP, SNOMED, CPT, ICD-9-CM, ICD-O, DSM-IV, HCPCS, and ICD-10.
Policies

Report a Complaint or Concern

UA-PTC takes very seriously complaints and concerns regarding the institution. Most complaints or concerns of a specific nature should be initiated and resolved at the campus level through normal college processes whenever possible. UA - Pulaski Technical College receives and resolves complaints using a variety of methods. To report a complaint or concern, please follow the link below.

https://www.uaptc.edu/report-a-concern-complaint

UA-PTC Attendance Policy

Education at UA-PTC requires students’ active involvement in the learning process. Thus, students are expected to attend all classes and actively engage in all learning assignments and/or opportunities provided in their classes. Class attendance should be treated as mandatory by all students as attendance will be taken by all instructors during the first two weeks of class. Additionally, a written policy on student attendance that is tied to course objectives and included in a course syllabus will be provided for each course by instructors.

Departmental Attendance Policy

Agencies granting financial assistance may be notified of the violation of the attendance policy by students receiving financial aid.

Attendance is taken starting the first day of the semester, with the exception of students who enroll after classes have started. Teachers have the right to count students as absent if they arrive late to class, leave class early, or go in and out of the classroom during class time. Teachers have the right to lower a student’s grade based on excessive absences.

Any student who misses two consecutive weeks of class may be administratively withdrawn from the class.

Any student who does not class within the first two weeks of class will be considered a “no show” according to the campus attendance policy and will be reported as such and dropped from the class.

Teachers have the right to enforce PTC’s administrative drop policy for days of consecutive nonattendance. Such particulars as determined by the instructor are detailed in the paragraph below.

Instructor note regarding attendance: Students must demonstrate active engagement and participation in online course activity every seven days or they may be dropped from the course. Simply logging in to the course is not sufficient by itself to demonstrate active course engagement and/or academic attendance. Individual instructors determine activities that require student engagement and participation. Examples of engagement and participation
include, but are not limited to: posting to a discussion board, contributing to collaborative activities, submitting assignments, or taking tests, quizzes, or assessments.

**Course Policies**

The UA-PTC Catalog rules and regulations will be enforced in this course at all times. Please consult the following website for more information:

Professional behavior is required. Punctual attendance and intelligent participation are expected. Particulars as determined by the instructor are detailed in the paragraph below.

Appropriate behavior is expected for all communications, including any notes, email messages, or telephone conversations. Some guidelines for communication are included in this syllabus to help you.

The PTC Catalogue rules and regulations will be enforced in this class at all times. Please consult the following website for more information: http://www.pulaskitech.edu/admission/web_catalog/

Professional behavior is required. Punctual attendance and intelligent participation are expected. Particulars as determined by the instructor are detailed in the paragraph below.

1. Treat others with respect.
2. Any behavior that disrupts the class may result in that student being asked to leave the class for the day.
3. Be prepared for class.
4. Keep your work area/desk clean.

**CELL PHONES:** In consideration of others, cell phones and other personal communication devices must be turned off during class. If you have an EMERGENCY situation and must be available by phone, please set your phone to a mode that will not disturb others (e.g., silent or vibrate). Under no circumstances may students use communication devices in the classroom. If you must use your phone to talk to or text someone, please leave the classroom. If you have to leave multiple times during class for communication, you may be asked to leave for the remainder of the class period if this becomes disruptive.

**CHILDREN IN THE CLASSROOM/ON CAMPUS:** Students may not bring children to class, and may not leave children unattended anywhere on campus. You will receive a schedule of homework and test dates at the beginning of the semester. Please make arrangements for child care on days that you will be attending this class. This policy WILL be enforced and you will be asked to leave the class if you arrive with your child. This will not be a valid excuse for missing an extra test or homework assignment other than those permitted to be made up as stated above.
Computer Labs: (in addition to Classroom Policies above)

1. With all the electric equipment in the lab classroom, remember NO FOOD OR DRINKS NEAR any equipment in the room. Check with your instructor to see if there is a place where drinks may be left and retrieved after class.

2. Lab computers are to facilitate student learning, not for “surfing the net” or playing games unrelated to the course. Students will not use the Internet and its technologies (e.g. check e-mail, participate in “chat sessions,” browse the web, etc.) during class unless the instructor requests that you activate these technologies for class lecture demonstrations or class work.

3. All equipment items (and supplies for them) are property of the state of Arkansas and are to be treated with care. Equipment and supplies are not to be removed from the lab.

4. Use of computer equipment is for the class meeting in the lab at that scheduled time. Any student who needs to use equipment (creating, editing, or printing) while a class is meeting, must obtain permission from the instructor in advance; such permission must be obtained without interruption of the lecture/demonstration.

Appropriate behavior is expected for all communications, including any notes, email messages, or telephone conversations. Some guidelines for communication are included in this syllabus to help you.

Grading Policy

Letter grades will be based on the following scale:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 to 100%</td>
<td>A</td>
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<tr>
<td>80 to 89%</td>
<td>B</td>
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<tr>
<td>70 to 79%</td>
<td>C</td>
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<tr>
<td>60 to 69%</td>
<td>D</td>
</tr>
<tr>
<td>0 to 59%</td>
<td>F</td>
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</tbody>
</table>

Weight

Assignments: 50%

All assignments are due on the assigned date and must be submitted no later than that date to receive credit.

Exams 30%

Final Exam 20%

100%
Final Exam: The final examination will be administered online and is mandatory. As with all online tests, it is best to access the Final Exam early during the availability period rather than waiting until the last minute.

Chapter Quizzes: The tentative course schedule lists all tests to be given during the semester. There are 6 quizzes and one final comprehensive examination.

Each test is worth 100 points. You will be allowed 60 minutes to complete the examinations. ALL tests/exams will be administered online and may be accessed remotely.

Chapter tests are available for several days, so please do not ask for a makeup test if you miss one!

*Important: Once you have accessed a test online you must take it then.

* Instructors have one week to provide feedback and post grades for all assignments unless otherwise noted by a departmental policy that has been approved by the Dean of the School.

In an online class, eligibility for Financial Aid is based on student participation. Logging into the course does not constitute participation. For purposes of roster certification, students must complete a gradable attendance artifact.

Instructor Feedback Policy:

Classwork: Powerpoints and lectures will be provided during class. Powerpoints will be maintained in Blackboard.

Online Work: Grades for online work will be available to students in the Blackboard grade book once the work is submitted. Questions about grades can be discussed via email or at the next scheduled class meeting.

Final Exam: A final exam grade will be posted in the Blackboard. Students should contact their instructor via email with any questions regarding missed answers on the final exam. Final grades will be mailed to the students.

Emails: Student emails should be answered within 24 hours Monday-Friday. If the email was sent on the weekend or over a holiday weekend it will be answered on the next regular PTC work day, if not sooner.

Academic Integrity

It is expected that all students who attend UA-PTC conduct themselves in a manner appropriate for the college experience. Academic integrity is a vital component of collegiate behavior. The UA-PTC catalogue states, “The gaining of knowledge and the practice of honesty go hand-in-hand.”

The catalogue also states, “The responsibility and authority of initiating discipline arising from violations of the rules against dishonesty during the process of the course are vested in the instructor of that course.”
The complete Academic Integrity Policy is in the UA-PTC code of conduct.

**Accommodation Policy**

Services for Students with Disabilities: UA-PTC is committed to fulfilling all federal requirements as stated in the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the American with Disabilities Amendments Act (ADAAA) of 2008. Accommodations are available to students who have documented disabilities. Students who request accommodations must register with the Disability Services Office (Main Campus: 501-812-2738 or South Campus: 501-812-2862) and must provide current and relevant documentation.

Students requesting accommodations should inform the instructor at the beginning of the course or as soon as accommodations are approved. It is the student's responsibility to provide their Accommodation Letter to the instructor. Accommodations are not retroactive and will only be provided once your instructor receives the Accommodation Letter.

**Student Code of Conduct**

All students are expected to abide by the UA-PTC Student Code of Conduct. For the full Student Code of Conduct, access the most current version of the UA-PTC Academic Catalog. [http://uaptc.azurewebsites.net/docs/default-source/course-catalog/2017-18-academic-catalog.pdf?sfvrsn=a08a3038_2](http://uaptc.azurewebsites.net/docs/default-source/course-catalog/2017-18-academic-catalog.pdf?sfvrsn=a08a3038_2)

**Sexual Misconduct**

No person at Pulaski Technical College will, on the basis of gender, be excluded from participation in, be denied benefits of, or be subjected to sex discrimination, sexual harassment or sexual misconduct under any education program or activity. All college administrative policies and procedures regarding sex discrimination, sexual harassment, and sexual misconduct are in compliance with Title IX. Students who feel they are victims of sexual misconduct should contact the UA-PTC Title IX Deputy Coordinator for Students:

Michelle Anderson, Director of Student Life and Leadership
Campus Center Building Room 216
501-812-2756
manderson@uaptc.edu

**Course Evaluations**

Students may be asked to evaluate their instructor and course near the end of the semester. These student evaluations are very important to the improvement in the quality of instruction and course materials. All results are anonymous and shared with the faculty only after the semester is over and grades have been posted.
Information Literacy

UA-PTC is committed to the Information Literacy Competency Standards for Higher Education as established by the Association of College and Research Libraries and endorsed by the National Forum on Information Literacy. Therefore, all courses will incorporate an information literacy component so that, by graduation, all students will be able to recognize the need for information, then locate, evaluate, synthesize, and communicate information in an ethical manner. Information literacy encompasses critical thinking, research, media, technology, health, business, and visual literacy skills to produce lifelong learners who can make informed decisions in the workplace and in their personal lives.

Tentative Course Schedule

<table>
<thead>
<tr>
<th>Lesson #</th>
<th>Title</th>
<th>Assigned Reading</th>
<th>Handouts</th>
<th>Assignments</th>
<th>Exams/Quizzes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesson 1</td>
<td>Into to Computers in Health Information Management</td>
<td> Sayles &amp; Kavenaugh-Burke Ch. 1</td>
<td> Lesson Study Guide</td>
<td> Assignment 1</td>
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<tr>
<td>Lesson 2</td>
<td>Information Integrity</td>
<td> Sayles &amp; Kavenaugh-Burke Ch. 2</td>
<td> Lesson Study Guide</td>
<td> Assignment 2</td>
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<td></td>
<td>Data Quality</td>
<td> Sayles &amp; Gordon Ch. 6</td>
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<td></td>
<td>Data Management</td>
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<tr>
<td>Lesson 3</td>
<td>Databases</td>
<td> Sayles &amp; Kavenaugh-Burke Ch. 3</td>
<td> Lesson Study Guide</td>
<td> Assignment 3</td>
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<tr>
<td>Lesson 4</td>
<td>System Selection</td>
<td> Sayles &amp; Kavenaugh-Burke Ch. 4</td>
<td> Lesson Study Guide</td>
<td> Study for Test</td>
<td>Exam 1</td>
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<td></td>
<td>(Lessons 1, 2, 3 )</td>
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<tr>
<td>Lesson 5</td>
<td>System Implementation</td>
<td> Sayles &amp; Kavenaugh-Burke Ch. 5</td>
<td> Lesson Study Guide</td>
<td> Assignment 5</td>
<td></td>
</tr>
<tr>
<td>Lesson 6</td>
<td>Computers in HIM</td>
<td> Sayles &amp; Kavenaugh-Burke Ch. 6</td>
<td> Lesson Study Guide</td>
<td> Assignment 6</td>
<td></td>
</tr>
</tbody>
</table>
| Lesson 7 | Administrative Information Systems | ✔ Sayles & Kavanaugh-Burke Ch. 7 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Study for Test | Exam 2  
(Lessons 4, 5, 6) |
| Lesson 8 | Clinical Information Systems | ✔ Sayles & Kavanaugh-Burke Ch. 8 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Assignment 8 |
| Lesson 9 | Electronic Health Records | ✔ Sayles & Kavanaugh-Burke Ch. 9 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Assignment 9 |
| Lesson 10 | Consumer Informatics Standards | ✔ Sayles & Kavanaugh-Burke Ch. 9 & 10 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Study for Test | Exam 3  
(Lessons 7, 8, 9) |
| Lesson 11 | Health Information Exchange | ✔ Sayles & Kavanaugh-Burke Ch. 11 & 12 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Assignment 11 |
| Lesson 12 | Clinical Terminologies, Classifications, & Code Systems | ✔ Sayles & Gordon Ch. 5 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Assignment 12 |
| Lesson 13 | Security | ✔ Sayles & Kavanaugh-Burke Ch. 13 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Study for Test | Exam 4  
(Lessons 10, 11, 12) |
| Lesson 14 | Information and Data Governance | ✔ Sayles & Kavanaugh-Burke Ch. 14 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Assignment 14 |
| Lesson 15 | Role of HIM Professionals in Information Systems | ✔ Sayles & Kavanaugh-Burke Ch. 15 | ✔ Lesson Study Guide ✔ PowerPoint | ✔ Assignment 15 |
| Finals Week | Comprehensive Final Exam | | | | Comprehensive Final Exam |

Final Exam Schedule: May 6 - 10

Disclaimer: This schedule is a guide for the semester. The instructor reserves the right to amend the schedule as necessary.
Course Agreement Form

Read, complete, and return to instructor:

I have read the course syllabus for Karen Smith’s HIMT 1307 Applied Systems course at Pulaski Technical College, and I understand its content. I also understand the rules for the class, and I will follow and abide by these rules, including those relating to attendance, assignments, grading criteria, plagiarism, and behavior.

__________________________
Semester

__________________________
Date

__________________________
Print name

__________________________
Signature

__________________________
UA-PTC Email address

__________________________
Telephone to best reach me at