



## **NURS 5308: Informatics in Healthcare COURSE SYLLABUS Fall 2019**

**Instructor:** Jane Kosarek PhD, MBA, RNC-OB, NEA-BC

**Office Location:** Nursing Building

**Office Hours:** Tuesdays 8 am – 12 pm

**Cell phone:** 214.797.4172

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**University Email Address:** Jane.Kosarek@tamuc.edu

**Communication Response Time:** 2 business days

### **COURSE INFORMATION**

#### **Materials – Textbooks, Readings, Supplementary Readings**

##### **Required Textbooks**

McGonigle, D., & Mastrian, K. (2017). *Nursing informatics and the foundation of knowledge* (4<sup>th</sup> Ed.). Sudbury, MA: Jones & Bartlett Publishers.

American Nurses' Association (2014). *Nursing informatics: Scope and standards of practice*. Washington, D.C.: American Nurses' Association.

American Psychological Association (2010). *Publication manual of American Psychological Association* (6<sup>th</sup> ed.). Washington, DC: American Psychological Association.

#### **Course Description (3 semester credit hours)**

This course focuses on the application of computer technology to healthcare management of individuals and groups, with recognition of the social, ethical, and legal issues involved. Available resources useful in patient care and educational settings are emphasized. The opportunity for application of specific concepts is provided.

#### **Student Learning Outcomes**

Upon completion of the course, the student will have been given the opportunity to:

1. Demonstrate beginning competency with specific computer applications.
2. Evaluate the appropriateness of the applications within healthcare practice.
3. Articulate the relationship between the concepts of informatics and advanced nursing practice.
4. Evaluate the advantages, concerns, ethical, and legal issues related to the use of informatics in identified healthcare settings.
5. Critically evaluate the role of informatics in the development and dissemination of nursing knowledge.
6. Demonstrate the ability to communicate on a global basis.
7. Analyze current and emerging technologies to support safe practice environments, and to optimize patient safety, cost-effectiveness, and health outcomes.

## **COURSE REQUIREMENTS**

### **Minimal Technical Skills Needed**

Using the D2L learning management system, using Microsoft Word and PowerPoint.

### **Instructional / Methods / Activities Assessments**

Teaching and learning methods may include lecture, presentations, group discussion, use of audiovisuals, on-line course information, handouts, reading and written assignments, exams, and case studies.

This course is a blended course and requires three (3) face-to-face on-campus meetings in the Nursing Department on the dates specified on the course calendar. All other activities are online.

### **Student Responsibilities**

**Online Etiquette:** Please use the following a guide to your online behavior.

- Make a personal commitment to learning about, understanding, and supporting your peers.
- Assume the best of others in the class and expect the best from them.
- Recognize and value the experiences, abilities, and knowledge each person brings to class. Value the diversity of the class.
- Participate actively in the discussions, having completed the readings and thought about the issues.

- Pay close attention to what your classmates write in their online comments. Ask clarifying questions, when appropriate. These questions are meant to probe and shed new light, not to minimize or devalue comments.
- Think through and re-read your comments before you post them.
- Never make derogatory comments toward another person in the class.
- Do not make sexist, racist, homophobic, or victim-blaming comments at all.
- Disagree with ideas, but do not make personal attacks.
- Be open to be challenged or confronted on your ideas or prejudices.
- Challenge others with the intent of facilitating growth. Do not demean or embarrass others.
- Encourage others to develop and share their ideas.
- Be willing to change.

## GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 83%-89%

C = 75%-82%

D = 60%-74%

F = 59% or Below

Evaluation Methods	
Healthcare Applications Paper and Presentation	
Paper	20%
Presentation	15%
Emerging Technologies Paper and Presentation	
Paper	20%
Presentation	15%
Midterm Examination (online)	15%
Final Examination (online)	15%
<b>Total</b>	<b>100%</b>

## Assessments

### Healthcare Applications Assignment

#### Healthcare Applications Paper and Presentation Grading Criteria

This is an individual assignment in which two provider-based healthcare apps with the same focus, purpose, and/or function will be evaluated by the student. The two applications selected by the student must be approved by course faculty by the deadline specified on the course calendar. There are 2 parts to this assignment: a paper and a presentation.

The paper related to this assignment will represent 20% of the final grade. The rubric for the paper can be found within this syllabus. The paper will be due on the date specified on the course calendar. The paper should include a title page, body, and reference page(s). The body of the paper should be a maximum of 6 pages in length (not including the title page or reference page). The paper should be submitted under the Assignment tab in D2L for grading.

The presentation related to this assignment will represent 15% of the final grade. The presentation will be a Power point presentation which summarizes the information described in the paper. The presentation will be presented in class (on-Campus in the Nursing Department) to peers and faculty on the date specified on the course calendar. The presentation should also be submitted under the Assignment tab in D2L for grading by the date specified on the course calendar. The rubric for the presentation can be found within this syllabus.

### **Healthcare Applications Paper Grading Criteria**

<b>Criteria</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>Not Demonstrated</b>	<b>Score</b>
<b>Describe two provider-based health care applications and explain their relevance to patient care (10%)</b>	<b>10 points</b> Description and explanation completely and fully provided	<b>7.5 points</b> Description and explanation somewhat completely provided	<b>5 points</b> Description and explanation only partially provided	<b>2.5 points</b> Description and explanation incompletely provided	<b>0 points</b> Description and explanation not provided	
<b>Discuss patient care problems that led to the development of each application (10%)</b>	<b>10 points</b> Discussion completely and fully provided	<b>7.5 points</b> Discussion somewhat completely provided	<b>5 points</b> Discussion only partially provided	<b>2.5 points</b> Discussion incompletely provided	<b>0 points</b> Discussion not provided	
<b>Explain the social, ethical, and legal considerations of the use of each application including HIPAA</b>	<b>20 points</b> Explanation completely and fully provided	<b>15 points</b> Explanation somewhat completely provided	<b>10 points</b> Explanation only partially provided	<b>5 points</b> Explanation incompletely provided	<b>0 points</b> Explanation not provided	

<b>(20%)</b>						
<b>Evaluate (compare and contrast) the healthcare applications in terms of :</b> <b>(1) Usability</b> <b>(2) Cost</b> <b>(3) Ease of implementation</b> <b>(4) Comprehensiveness</b> <b>(5) User satisfaction</b> <b>(20%)</b>	<b>20 points</b> Evaluation completely and fully provided	<b>15 points</b> Evaluation is somewhat completely addressed	<b>10 points</b> Evaluation is only partially addressed	<b>5 points</b> Evaluation is incompletely addressed	<b>0 points</b> Evaluation not provided	
<b>Discuss implications of the applications for advanced practice nursing (10%)</b>	<b>20 points</b> Implications fully addressed	<b>18 points</b> Implications somewhat completely addressed	<b>15 points</b> Implications only partially addressed	<b>2.5 points</b> Implications incompletely addressed	<b>0 points</b> Implications not provided	
<b>Organization and clarity of paper (including introductory and concluding paragraphs) (10%)</b>	<b>10 points</b> Organized and clear	<b>7.5 points</b> Occasional lack of organization and clarity	<b>5 points</b> Some lack of organization and clarity	<b>2.5 points</b> General lack of organization and clarity	<b>0 points</b> No organization and clarity	
<b>Appropriate references and resources utilized including professional journals, government documents,</b>	<b>5 points</b> All references and resources current within the past 5 years	<b>4 points</b> Most references and resources current within the past 5 years	<b>2 points</b> Three or fewer references and resources current within the past 5 years	<b>1 points</b> Only one reference or resource is current within the past 5 years	<b>0 points</b> No references or resources are current within the past 5 years	

<b>and healthcare websites (5%)</b>						
<b>Spelling, punctuation, and grammar (5%)</b>	<b>5 points</b> Virtually free from spelling, punctuation, and grammatical errors.	<b>4 points</b> Occasional minor spelling, punctuation, and grammatical errors do not distract the reader.	<b>2 points</b> Some significant spelling, punctuation, and grammatical errors are present, but the overall meaning is clear.	<b>1 point</b> Spelling, punctuation, and grammatical errors are distracting, but the meaning is still clear.	<b>0 points</b> Spelling, punctuation, and grammatical errors distract the reader to the extent that the meaning is unclear.	
<b>APA format, (5%)</b>	<b>5 points</b> Free from all APA errors within the cover page, body of the paper, and/or reference page.	<b>4 points</b> 1-2 APA errors noted within the cover page, body of the paper, and/or reference page.	<b>2 points</b> Occasional APA errors noted within the cover page, body of the paper, and/or reference page.	<b>1 point</b> Significant APA errors noted within the title page, body of the paper, and/or reference page.	<b>0 points</b> The assignment is full of APA errors.	
<b>Selected topic submitted on time (5%)</b>	<b>5 points</b> Selected topic was submitted on time	<b>4 points</b> Selected topic was submitted 1 day late	<b>2 points</b> Selected topic was submitted 2 days late	<b>1 point</b> Selected topic was submitted 3 or more days late	<b>0 points</b> Selected topic was not submitted	
<b>Total</b>						

### Healthcare Applications Power Point Presentation Grading Criteria

<b>Criteria</b>	<b>Points Possible</b>	<b>Points Earned</b>
<b>Describe two provider-based health care applications and explain their relevance to patient care (10%)</b>	10	
<b>Discuss patient care problems that led to the development of each</b>	10	

<b>application (10%)</b>		
<b>Explain the social, ethical, and legal considerations of the use of each application including HIPAA (20%)</b>	20	
<b>Evaluate (compare and contrast) the healthcare applications in terms of:</b> (1) Usability (2) Cost (3) Ease of implementation (4) Comprehensiveness (5) User satisfaction <b>(20%)</b>	20	
<b>Discuss implications of the applications for advanced practice nursing (10%)</b>	10	
<b>Style/Manner of Presentation:</b> <ul style="list-style-type: none"> <li>Length of presentation follows guideline</li> <li>Presentation is organized, coherent, tied together and fluent</li> <li>Presenter stimulates class discussion</li> </ul> <b>(10%)</b>	10	
<b>Presentation Appeal:</b> <ul style="list-style-type: none"> <li>Creativity and use of color</li> </ul> <b>(5%)</b>	5	
<b>PowerPoint Mechanics:</b> Readability, neatness, spelling, punctuation, grammar <b>(10%)</b>	10	
<b>Reference page(s) in APA format (5%)</b>	5	
<b>Total</b>	<b>100</b>	

## Emerging Technology Assignment

### Emerging Technology in Healthcare Paper and Presentation Grading Criteria

This is an individual assignment in which an emerging technology for use in healthcare will be evaluated by the student. The emerging technology selected by the student must be approved by

course faculty by the deadline specified on the course calendar. There are 2 parts to this assignment: a paper and a presentation.

The paper related to this assignment will represent 20% of the final grade. The rubric for the paper can be found within this syllabus. The paper will be due on the date specified on the course calendar. The paper should include a title page, body, and reference page(s). The body of the paper should be a maximum of 6 pages in length (not including the title page or reference page). The paper should be submitted under the Assignment tab in D2L for grading.

The presentation related to this assignment will represent 15% of the final grade. The presentation will be a Power point presentation which summarizes the information described in the paper. The presentation will be presented in class (on-Campus in the Nursing Department) to peers and faculty on the date specified on the course calendar. The presentation should also be submitted under the Assignment tab in D2L for grading by the date specified on the course calendar. The rubric for the presentation can be found within this syllabus.

Topics for the Emerging Technology may include but are not limited to:

- Telehealth
- Nanotechnology
- Genetics/Genomics
- Devices and Hardware
- Robotics
- Educational Technologies
- Tools for Patient Access to Health Information

### **Emerging Technology in Healthcare Paper Grading Rubric**

<b>Criteria</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>Not Demonstrated</b>	<b>Score</b>
<b>Describe the new technology, including the history of development and the need for this new technology, i.e., the patient care problem that this technology addresses (10%)</b>	<b>10 points</b> Description completely and fully provided	<b>7.5 points</b> Description somewhat completely provided	<b>5 points</b> Description only partially provided	<b>2.5 points</b> Description incompletely provided	<b>0 points</b> Description not provided	

<b>Analyze the social, ethical, and legal aspects of the implementation of this emerging technology (25%)</b>	<b>25 points</b> Analysis completely and fully provided	<b>20 points</b> Analysis somewhat completely provided	<b>15 points</b> Analysis only partially provided	<b>7.5 points</b> Analysis incompletely provided	<b>0 points</b> Analysis not provided	
<b>Evaluate the emerging technology in terms of : (1) Usability (2) Cost (3) Ease of implementation (4) Comprehensiveness (5) User satisfaction (25%)</b>	<b>25 points</b> Evaluation completely and fully provided	<b>20 points</b> Evaluation is somewhat completely addressed	<b>15 points</b> Evaluation is only partially addressed	<b>7.5 points</b> Evaluation is incompletely addressed	<b>0 points</b> Evaluation not provided	
<b>Discuss the applicability of this new technology to advanced practice nursing, i.e. patient safety, cost effectiveness, health outcomes, etc. (10%)</b>	<b>10 points</b> Discussion completely and fully provided	<b>7.5 points</b> Discussion somewhat completely provided	<b>5 points</b> Discussion only partially provided	<b>2.5 points</b> Discussion incompletely provided	<b>0 points</b> Discussion not provided	
<b>Organization and clarity of paper (including introductory and concluding paragraphs) (10%)</b>	<b>10 points</b> Organized and clear	<b>7.5 points</b> Occasional lack of organization and clarity	<b>5 points</b> Some lack of organization and clarity	<b>2.5 points</b> General lack of organization and clarity	<b>0 points</b> No organization and clarity	

<b>Appropriate references and resources utilized including professional journals, government documents, and healthcare websites (5%)</b>	<b>5 points</b> All references and resources current within the past 5 years	<b>4 points</b> Most references and resources current within the past 5 years	<b>2 points</b> Three or fewer references and resources current within the past 5 years	<b>1 point</b> Only one reference or resource is current within the past 5 years	<b>0 points</b> No references or resources are current within the past 5 years	
<b>Spelling, punctuation, and grammar (5%)</b>	<b>5 points</b> Virtually free from spelling, punctuation, and grammatical errors.	<b>4 points</b> Occasional minor spelling, punctuation, and grammatical errors do not distract the reader.	<b>2 points</b> Some significant spelling, punctuation, and grammatical errors are present, but the overall meaning is clear.	<b>1 point</b> Spelling, punctuation, and grammatical errors are distracting, but the meaning is still clear.	<b>0 points</b> Spelling, punctuation, and grammatical errors distract the reader to the extent that the meaning is unclear.	
<b>APA format, (5%)</b>	<b>5 points</b> Free from all APA errors within the cover page, body of the paper, and/or reference page.	<b>4 points</b> 1-2 APA errors noted within the cover page, body of the paper, and/or reference page.	<b>2 points</b> Occasional APA errors noted within the cover page, body of the paper, and/or reference page.	<b>1 point</b> Significant APA errors noted within the title page, body of the paper, and/or reference page.	<b>0 points</b> The assignment is full of APA errors.	
<b>Selected topic submitted on time (5%)</b>	<b>5 points</b> Selected topic was submitted on time	<b>4 points</b> Selected topic was submitted 1 day late	<b>2 points</b> Selected topic was submitted 2 days late	<b>1 point</b> Selected topic was submitted 3 or more days late	<b>0 points</b> Selected topic was not submitted	
<b>Total</b>						

## Emerging Technology in Healthcare Presentation Grading Rubric

Criteria	Points Possible	Points Earned
<b>Describe the new technology, including the history of development and the need for this new technology, i.e., the patient care problem that this technology addresses</b> (10%)	10	
<b>Analyze the social, ethical, and legal aspects of the implementation of this emerging technology</b> (25%)	25	
<b>Evaluate the emerging technology in terms of :</b> (1) Usability (2) Cost (3) Ease of implementation (4) Comprehensiveness (5) User satisfaction (25%)	25	
<b>Discuss the applicability of this new technology to advanced practice nursing, i.e. patient safety, cost effectiveness, health outcomes, etc.</b> (10%)	10	
<b>Style/Manner of Presentation:</b> <ul style="list-style-type: none"> <li>Length of presentation follows guideline</li> <li>Presentation is organized, coherent, tied together and fluent</li> <li>Presenter stimulates class discussion</li> </ul> (10%)	10	
<b>Presentation Appeal:</b> <ul style="list-style-type: none"> <li>Creativity and use of color</li> </ul> (5%)	5	
<b>PowerPoint Mechanics:</b> <ul style="list-style-type: none"> <li>Readability, neatness, spelling, punctuation, grammar</li> </ul> (10%)	10	
<b>Reference page(s) in APA format</b> (5%)	5	
<b>Total</b>	<b>100</b>	

**Exams:**

A mid-semester and a final exam will be held. Both exams are online, timed assessments of the units specified in the course schedule. Students who are unable to take the scheduled exam must notify the instructor prior to the start of the exam to determine whether a make-up is available. The date and content for each exam is specified on the Course Calendar.

## TECHNOLOGY REQUIREMENTS

D2L (MyLeo Online) is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

### Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

## Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or point release of that major version) and the previous major version of iOS (the latest minor or point release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:

- 512 MB of RAM, 1 GB or more preferred
- Broadband connection required courses are heavily video intensive
- Video display capable of high-color 16-bit display 1024 x 768 or higher resolution

You must have a:

- Sound card, which is usually integrated into your desktop or laptop computer
- Speakers or headphones.
- \*For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.

Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: JAVA web site <http://www.java.com/en/download/manual.jsp>

Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported:

- Pop-ups are allowed
- JavaScript is enabled
- Cookies are enabled

You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:

- Adobe Reader <https://get.adobe.com/reader/>
- Adobe Flash Player (version 17 or later) <https://get.adobe.com/flashplayer/>
- Adobe Shockwave Player <https://get.adobe.com/shockwave/>
- Apple Quick Time <http://www.apple.com/quicktime/download/>

At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

## **ACCESS AND NAVIGATION**

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

## **COMMUNICATION AND SUPPORT**

### **Brightspace Support Need Help? Student Support**

If you have any questions or are having difficulties with the course material, please contact your Instructor.

### **Technical Support**

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778 or click on the **Live Chat** or click on the words “[click here](#)” to submit an issue via email.



### **System Maintenance**

Please note that on the 4th Sunday of each month there will be System Maintenance which means the system will not be available 12 pm-6 am CS

## **COMMUNICATION AND SUPPORT**

Communication between faculty and students is important and taken seriously. To that end, faculty are committed to student success in this course. Students are responsible for making appointments and asking questions to clarify any questions or procedures. Preferred communication methods are through individualized faculty office hours, email, or office phone and occur during regular business hours. If a phone call is not answered, please leave a message and send an e-mail using the direct e-mail link on the course home page. You will be treated with collegial respect and you are expected to communicate likewise in a professional manner.

## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

### **Class**

1. Exam dates are listed in each course syllabus, and the student is expected to take the exams as scheduled.
2. As an adult learner and responsible professional, the student is responsible for reading and completing assignments prior to class and for being prepared to participate in discussions over the assigned material. It should not be expected that all material will be covered in class. Students are expected to come to class prepared.
3. Assignments must be handed in on time. Assignments submitted late without prior arrangement with the classroom instructor will receive a zero.

### **Paper Submissions**

All documents submitted online are to be in .docx, .rtf or .pdf format. No other formats will be accepted (JPEG, GIF, etc.). Assignments need to be submitted in a maximum of one document per assignment. Failure to follow these guidelines will result in a grade of “0” on the assignment.

### **Late Submissions**

It is expected that students will submit all assignments on time. If an extension is needed, it should be requested before the due date and may or may not be approved at the discretion of the course coordinator. Unexcused late assignments will be penalized 10% per day for each of the first two days overdue; on the 3rd day, the grade will be assigned as 0%. Communication on these matters is the student’s responsibility.

### **Syllabus Change Policy**

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

## **University Specific Procedures**

### **Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: [Netiquette](http://www.albion.com/netiquette/corerules.html)  
<http://www.albion.com/netiquette/corerules.html>

## **TAMUC Attendance**

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

## **Academic Integrity**

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

## **ADA Statement Students with Disabilities**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

### **Office of Student Disability Resources and Services**

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

## **Nondiscrimination Notice**

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

## **Campus Concealed Carry Statement**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

## COURSE OUTLINE/CALENDAR

**\*Indicates on-campus meeting dates**

**\*\*Items due are specified in red font**

Week	Date	Content	Readings and Assignments
1	08/26/19	<b>Unit 1</b> Course Syllabus  Nursing Science and the Foundation of Knowledge  Intro to Information, Information science, and Information Systems  The Scope of Nursing Informatics Practice	<b>*Meet on Campus on 08/29/19 at 1 p.m. CST for Course Syllabus review and questions</b>  McGonigle and Mastrian: Chapter 1  McGonigle and Mastrian: Chapter 2  ANA Nursing Informatics: Pages 1-18
2	09/02/19	<b>Unit 2</b> Computer Science and the Foundation of Knowledge Model  Intro to Cognitive Science and Cognitive Informatics  Functional Areas of Nursing Informatics	McGonigle and Mastrian: Chapter 3  McGonigle and Mastrian: Chapter 4  ANA Nursing Informatics: Pages 18-36  <b>**Healthcare Apps Topic Faculty Approval Deadline 09/08/19 by 2359 CST. Email instructor for approval using course email in D2L.</b>
3	09/09/19	<b>Unit 3</b> Ethical Applications of Informatics  History and Evolution of Nursing Informatics  Ethics in Nursing Informatics	McGonigle and Mastrian: Chapter 5  McGonigle and Mastrian: Chapter 6  ANA Nursing Informatics: Pages 49-52, 79-80

4	09/16/19	<b>Unit 4</b> Nursing Informatics as a Specialty  Legislative aspect of Nursing Informatics: HITECH & HIPAA  Developing Standardized Terminologies to Support Nursing Practice  Trends in Technologies	McGonigle and Mastrian: Chapter 7  McGonigle and Mastrian: Chapter 8  ANA Nursing Informatics: Pages: 9-13, 62-63, 70, 72  ANA Nursing Informatics: Pages 53- 62
5	09/23/19	<b>Unit 5</b> Systems Development Life Cycle: Nursing Informatics and Organizational Decision Making  Administrative Information Systems  Informatics Competencies	McGonigle and Mastrian: Chapter 9  McGonigle and Mastrian: Chapter 10  ANA Nursing Informatics: Pages: 41-46  **Healthcare Apps Paper due by 09/27/19 at 2359. CST. Submit via Assignments tab on D2L.
6	09/30/19	<b>Unit 6</b> Healthcare Applications Student Presentations (On-Campus)	**Healthcare Apps Presentation due to D2L Assignments tab by 10/02/19 at 2359 CST for presentation in class on 10/03/19 at 8 am.  *Meet on Campus 10/03/19 from 8 am to 12 pm for Healthcare Apps Student Presentations
7	10/07/19	<b>Unit 7</b> The Human-Technology interface  Electronic Security	McGonigle and Mastrian: Chapter 11  McGonigle and Mastrian:

		Safety, Security, and Environmental Health	Chapter 12 ANA Nursing Informatics: Pages 34-36  **Emerging Technologies Topic Faculty Approval Deadline by 10/07/19 @ 2359 CST. Email instructor for approval using course email in D2L.
8	10/14/19	<b>Unit 8</b> Midterm Exam (Online)  Workflow and Beyond Meaningful Use  The Electronic Health Record and Clinical Informatics	**Complete Midterm Exam on 10/17/19 (covers McGonigle and Mastrian: Chapters 1-12)  McGonigle and Mastrian: Chapter 13  McGonigle and Mastrian: Chapter 14
9	10/21/19	<b>Unit 9</b> Informatics Tools to Promote Patient Safety and Quality Outcomes  Patient Engagement and Connected Health  Standards of Practice for Nursing Informatics	McGonigle and Mastrian: Chapter 15  McGonigle and Mastrian: Chapter 16  ANA Nursing Informatics: Pages 67-94
10	10/28/19	<b>Unit 10</b> Using Informatics to Promote Community/Population Health  Telenursing and Remote Access Telehealth	McGonigle and Mastrian: Chapter 17  McGonigle and Mastrian: Chapter 18
11	11/04/19	<b>Unit 11</b> Nursing Informatics and Nursing Education  Simulation, Game Mechanics, and	McGonigle and Mastrian: Chapter 19  McGonigle and Mastrian:

		Virtual Worlds in Nursing Education  Education and Professional Development	Chapter 20  ANA Nursing Informatics: Pages 27-29
12	11/11/19	<b>Unit 12</b> Nursing Research, Data Collection, Processing and Analysis  Data Mining as a Research Tool Standards  Evidence Based Practice and Research	McGonigle and Mastrian: Chapter 21  McGonigle and Mastrian: Chapter 22  ANA Nursing Informatics: Pages 32-34, and 83
13	11/18/19	<b>Unit 13</b> Translational Research: Generating Evidence for Practice  Bioinformatics, Biomedical Informatics and Computational Biology	McGonigle and Mastrian: Chapter 23  McGonigle and Mastrian: Chapter 24
14	11/25/19	<b>Unit 14</b>	<b>**Emerging Technology Paper due by 11/27/19 at 2359 CST. Submit via Assignments tab on D2L.</b>
15	12/02/19	<b>Unit 15</b> Emerging Technology Student Presentations (On-Campus)         The Art of Caring in Technology-Laden Environment	<b>**Emerging Technology Presentation due to D2L Assignments tab by 12/03/19 at 2359 CST for presentation in class on 12/04/19 at 1 pm.</b>  <b>*Meet on Campus on 12/04/19 at 1 pm to 5 pm for Emerging Technology Student Presentations</b>  McGonigle and Mastrian: Chapter 25
16	12/09/19	<b>Unit 16</b> Final Exam (Online)	<b>**Complete Final Exam on 12/09/19 (covers McGonigle and Mastrian: Chapters 13-25</b>

