

**University of Arkansas for Medical Sciences
Office of the University Registrar
GUS Course Catalog Form**

This form should be used for courses offered at UAMS. If a course addition will change the curriculum for one or multiple degree plans, you will be asked to update a curriculum template for each degree program affected. Please remember to submit a copy of the syllabus with this form.

Course Changes and Additions Submission Timeline

Fall Semester February 1st (same calendar year)
Spring Semester September 1st (preceding calendar year)
Summer Semester December 1st (preceding calendar year)

This request is for a: New Course Course Change Course Retirement (skip to p. 4)

College: Graduate School

Department/Program: Department of Biomedical Informatics

Course Title: Healthcare in the US

Course Description: This graduate course presents the components of the healthcare system in the United States with a focus on current challenges and external forces shaping those challenges. Special emphasis is given to topics impacting or impacted by technology in healthcare.

Course Instructor: Joseph Jensen

Course Instructor Email: jjensen@uams.edu Course Instructor Phone: (501) 526-6262

Additional Instructors: Meredith Zozus, PhD

Mzozus@uams.edu - (501) 603-1766

Click here to enter additional instructor names and email addresses

GENERAL COURSE INFORMATION

First term course will be offered/changed: Fall Spring Summer

First year course will be offered/changed: 2017

Meeting dates differ from standard semester? Yes No

If yes, describe meeting pattern: (i.e. last 4 weeks of semester, 8 Wednesdays beginning 2nd week, etc.)

Grading Basis: Letter Grade Number of Units: 1

If Variable Credit, list the maximum number of units: *Choose an item.*

Component Type: *Lecture*

Repeat for credit? Yes No

If yes, limit to number of enrollments allowed per student: None

Preferred Catalog Number: *Click here to enter text.*

*Note: Preferred Catalog Numbers are not guaranteed to be used.

ENROLLMENT CONTROLS

PREREQUISITES

Subject Area	Catalog #	Course Title	Course ID (if known)
<i>Subj. Area</i>	<i>Catalog #</i>	<i>Course Title</i>	<i>Course ID</i>
<i>Subj. Area</i>	<i>Catalog #</i>	<i>Course Title</i>	<i>Course ID</i>

CO-REQUISITES

Subject Area	Catalog #	Course Title	Course ID (if known)
<i>Subj. Area</i>	<i>Catalog #</i>	<i>Course Title</i>	<i>Course ID</i>
<i>Subj. Area</i>	<i>Catalog #</i>	<i>Course Title</i>	<i>Course ID</i>
<i>Subj. Area</i>	<i>Catalog #</i>	<i>Course Title</i>	<i>Course ID</i>

Please list any other non-course prerequisites attached to this course (e.g. minimum GPA, exam, year in program)
Click here to enter text.

Minimum Number of Students to Enroll: No Minimum

Maximum Number of Students who may Enroll: No Maximum

Is enrollment in this course limited to certain groups of students (i.e. PhD students only)? Yes No

Please describe enrollment limits by groups: *Click here to enter max enrollments.*

Is advisor or instructor consent required for students to take this course? Instructor Consent

INSTRUCTION MODE

Please provide information about the first semester this course will be offered. You will have the opportunity to change this information if this form is provided prior to the last date for scheduling requests.

INSTRUCTION INFORMATION

Instruction Mode: *Online - 75-99% some face/face*

FOR ONLINE COURSES ONLY: Will this course be offered to students out of state? Yes No

Please select all locations where this course will be taught:

Main Campus Northwest Campus UAMS Southwest Other

If "Other" Location, please describe: *Click here to enter text.*

EXAM AND PROGRESSION

Will the course have a final exam? Yes No

Will the final exam occur during the normally scheduled course time? Yes No

Is there a minimum grade required for the student to progress? Not Required

ADDITIONAL INFORMATION

Are any degrees affected by this course addition? Yes No

If "Yes," please list all degrees affected by this change: *Click here to enter text.*

Does this course address/include:

Service Learning ¹ :	Partially <input type="checkbox"/>	100% <input type="checkbox"/>	Does not address <input checked="" type="checkbox"/>
Inter-professional Education ² (IPE)	Partially <input type="checkbox"/>	100% <input type="checkbox"/>	Does not address <input checked="" type="checkbox"/>
Cultural competency ³	Partially <input type="checkbox"/>	100% <input type="checkbox"/>	Does not address <input checked="" type="checkbox"/>
Patient-Family Centered Care ⁴	Partially <input type="checkbox"/>	100% <input type="checkbox"/>	Does not address <input checked="" type="checkbox"/>
Interdisciplinary Education ⁵	Partially <input checked="" type="checkbox"/>	100% <input type="checkbox"/>	Does not address <input type="checkbox"/>

ADDITIONAL INFORMATION:

Click here to enter text.

¹ A structured learning experience that combines community service with preparation and reflection. Students engaged in service-learning provide community service in response to community-identified concerns and learn: the context in which the service is provided, the connection between their service and their academic coursework, and their roles as citizens.

² Defined as students of two or more professions engaged in learning with, from and about each other.

³ An ability to interact effectively with people of different cultures and ethnic backgrounds. Comprises four components: Awareness of one's own cultural worldview, attitude towards cultural differences, knowledge of different cultural practices and worldviews, and cross-cultural skills. Developing cultural competence results in an ability to understand, communicate with, and effectively interact with people across cultures.

⁴ An approach to the planning, delivery, and evaluation of health care that is grounded in mutually beneficial partnerships among health care providers, patients, and families. It redefines the relationships in health care. The core concepts include: Dignity and respect, information sharing, participation, and collaboration.

⁵ Defined as the degree to which individuals have the capacity to obtain, process and understand basic health information and services need to make appropriate health decisions.

COURSE RETIREMENT ONLY – Course Additions and Changes can skip to pg. 5

College: *Choose an item.*

Department/Program: *Click here to enter text.*

Course Title: *Click here to enter the current title.*

Catalog Name and Number: *Click here to enter text.*

Course ID (if known): *Click here to enter text.*

What semester and year will this course be retired? *Click here to enter text.*

Are any degrees affected by this course retirement? Yes No

If "Yes," please list all degrees affected by this change (updated Curriculum Templates for any degree that will change as a result of this retirement are required to be submitted to the Office of the University Registrar):

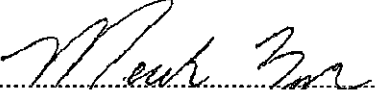
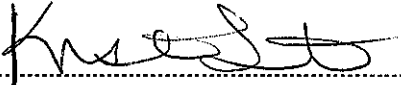
Click here to enter text.

ADDITIONAL INFORMATION:

Click here to enter text.

APPROVALS

Proposal will not be processed without all required signatures.

 ----- Course Instructor signature	Meredith Zozus, PhD
 ----- Associate Dean signature	Enter Associate Dean Name
Today's Date: October 11, 2016 Preparer's Email: tbwilliams@uams.edu	Preparer's Name: Tremaine Williams

Please submit this form and a copy of the syllabus to:

Angela Wilson, Registrar
Email: awilson5@uams.edu
Mail Slot #767
Questions? 501-526-6612

<p>Office use only</p> Received: _____ Entered into GUS <input type="checkbox"/> Entered into Schedule of Courses <input type="checkbox"/> Curriculum Registrar Initials: ____ Schedule Registrar Initials: ____	<p>Notes/Follow-up:</p>
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SYLLABUS

COURSE NUMBER: BIOM _____

COURSE TITLE: Healthcare in the United States

COURSE DESCRIPTION:

This graduate course presents the components of the healthcare system in the United States with a focus on current challenges and external forces shaping those challenges. Special emphasis is given to topics impacting or impacted by technology in healthcare.

PRE-REQUISITES: none

GENERAL INFORMATION:

CREDITS: 1

SEMESTER: Fall, Spring

LOCATION: Campus and Online (hybrid)

FACULTY: Joseph Jensen

SPECIAL ASSISTANCE: Students who believe they may need accommodations in this class based on mental or physical impairments must contact the Students with a disability that need accommodations should contact the Associate Dean for Academic Affairs at (501) 686-5730 to schedule an appointment to discuss your needs. Please make arrangements as soon as possible so accommodations can be made in a timely manner.

COURSE OBJECTIVES:

Upon successful completion of this course, the student is able to:

1. Define healthcare terms.
2. Describe paradigm shifts in healthcare.
3. Describe the medical model of healthcare in the US.
4. Describe the administrative and functional organization of entities that deliver healthcare in the US, both in the inpatient as well as the outpatient settings.
5. Discuss the role of various healthcare professionals, their education, and certification/licensure requirements.
6. Distinguish between public and private funding for healthcare.

7. Describe healthcare financing structures, including insurance plans, third-party payers, Medicare, and Medicaid.
8. Describe the organization and structures of Health Maintenance Organizations (HMOs), Preferred Provider Organizations (PPOs), and Independent Practice Associations (IPAs).
9. Describe methods of billing and reimbursement in healthcare.
10. Describe elements of coding and charge capture in healthcare.
11. Compare and contrast the function of the Joint Commission, Food and Drug Administration (FDA), Centers for Disease Control (CDC), and National Institutes of Health (NIH), with an emphasis on Electronic Health Records (EHRs).
12. Discuss legal issues in medicine including the Health Insurance Portability and Accountability Act (HIPAA), confidentiality, medical malpractice, and tort reform.
13. Describe the organization of public health in the US at the federal, state, and local levels, and discuss the role of public health in averting epidemics and bioterrorism.
14. Describe evidence-based medicine, clinical practice guidelines, and quality indicators in medicine. Identify key organizations involved in developing clinical guidelines.
15. Discuss the key issues driving healthcare reform in the US.
16. Describe the implementation of meaningful use of health information technology in the context of the Health Information Technology for Economic and Clinical Health (HITECH) Act.

MAJOR TOPICS:

History and state of healthcare in the United States
 Organizations involved in healthcare
 Forces shaping healthcare delivery
 Healthcare professional roles
 Flow of data information and knowledge in healthcare and on healthcare teams
 Requirements for certification and licensure of healthcare professionals
 Culture and accountability in healthcare
 Healthcare economics, finance and billing
 Accreditation of healthcare facilities
 Health Insurance Portability and Accountability Act (HIPAA)
 Legal issues in healthcare
 Health Information Technology for Economic and Clinical Health (HITECH) Act

ASSIGNMENTS:

Listed below for each week.

Week 1: Introduction and history of modern healthcare in the US, a history of the current US system and laws that have influenced its development.

Assignment: Describe the medical model of healthcare in the US and compare and contrast it with at least one other country.

- Week 2: Healthcare settings and organizations
Assignment: Describe the organization and structures of Health Maintenance Organizations (HMOs), Preferred Provider Organizations (PPOs), and Independent Practice Associations (IPAs). Compare and contrast the function of the Joint Commission, Food and Drug Administration (FDA), Centers for Disease Control (CDC), and National Institutes of Health (NIH), with an emphasis on Electronic Health Records (EHRs).
- Week 3: Healthcare roles and professionals
Assignment: Describe the medication ordering, fulfillment and administration process according to the roles involved. Discuss the responsibilities of each role involved.
- Week 4: Healthcare in the economy and models of healthcare financing at the governmental, enterprise, and consumer levels
Assignment: Describe healthcare financing structures, including insurance plans, third-party payers, Medicare, and Medicaid.
- Week 5: Revenue cycle for healthcare organizations; reimbursement methodologies and the billing (reimbursement) process.
Assignment: Describe methods of billing and reimbursement in healthcare.
- Week 6: Healthcare claims and coding
Assignment: Describe the information flow and involved standards for claims coding in healthcare.
- Week 7: Regulation and compliance in healthcare, including privacy violations, reimbursement and fraud and abuse.
Assignment: Describe the reporting requirements for a HIPAA breach.
- Week 8: Accreditation in healthcare; The Joint Commission and Joint Commission Core Measures
Assignment: Describe an appropriate process for preparing for a Joint Commission visit.
- Week 9: Evidence-based patient care
Assignment: Identify clinical guidelines for a given condition. Suggest performance measures that might be used to facilitate compliance with the guideline.
- Week 10: Registries
Assignment: Describe one or more actual registries. Classify it and explain where it falls in healthcare, e.g., epidemiology, post-market surveillance, quality improvement, research, etc.
- Week 11: Healthcare Quality and safety

Assignment: Describe the Institute of Medicine quality components. Suggest how an organization might measure their performance against them.

Week 12: Accountable Care Organizations

Assignment: Compare and contrast an ACO with PCMHs and HMOs.

Week 13: Role and organization of public health agencies and the flow of data within public health

Assignment: Describe the organization of public health in the US at the federal, state, and local levels, and discuss the role of public health in averting epidemics and bioterrorism.

Week 14: Public health topics including: reportable conditions and public health responses; terrorism; chronic diseases; and environmental health

Assignment: Explain why chronic diseases are listed as a public health concern, and how a public health approach might differ from a medical approach.

Week 15: Healthcare reform

Assignment: Analyze either Obama Care as a program or the Arkansas Private Option. State ways each has met its goals and any unintended issues or problems.

TEXTBOOKS:

Leiyu Shi and Douglas A. Singh, Essentials Of The U.S. Health Care System 4th Ed. Jones and Bartlett Learning, Burlington MA, 2015.

EVALUATION:

This is a graded course. Grades will be assigned based on their course average according to the following scale: A (93-100), B (85-92), C(75-84), D(65-74), Fail (lower than 64).

The course average will be comprised of course assignments and the Major project.

Assignments.....	60%
Midterm exam.....	20%
Final exam.....	20%

Course Approval Form

6. Program Approvals:

Fred Prior, PhD

(Print or type) Chairperson, Academic Department or Area

Fred Prior Digitally signed by Fred Prior 10/11/16
Date: 2016.10.11 13:32:23 -05'00'

(Signature) Chairperson, Academic Department or Area Date

Lee C. McGee 10.20.16

College Dean (Dean McGee for College of Medicine) Date

7. Graduate School Approvals

Geri C. Pate 10/20/16

Chairperson, Graduate Council Date

Theresa J. Long 10.20.16

Dean of the Graduate School Date