

INSTRUCTIONS FOR COMPLETION OF THE UAMS GRADUATE SCHOOL COURSE APPROVAL FORM

1. Please save this PDF to your computer for editing.
2. The form has been designed with fields for your responses, and these are indicated in blue and gray shading. Please complete all fields. Use the "tab" key to move between fields. A 'beep' will sound if you attempt to enter a response that contains more characters than is permitted. **IF YOU NEED HELP IN ANY OF THE FIELDS, PRESS THE F1 KEY AND A HELP WINDOW WILL OPEN.**
3. Print the document, and then obtain the appropriate signatures before submitting the form to the Graduate Office.

**COURSE APPROVAL FORM, Graduate School
University of Arkansas for Medical Sciences**

This form and attached materials are due in the Graduate School Office on the first Monday of the month. All forms will be submitted to the UAMS Graduate Council Curriculum Committee for review and approval prior to consideration by the Graduate Council.

This form is not required for minor stylistic or editorial corrections to the title or course descriptions. These may be made when revising the catalog copy.

1. **Program:** Department of Biomedical Informatics

B	I	O	M				
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Department *Alpha (Department) Code*

2. **Action proposed** (indicate one or more items): Effective term: Fall 2017

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Add course | <input type="checkbox"/> Change title | |
| <input type="checkbox"/> Eliminate course
(No outline needed) | <input type="checkbox"/> Change credit hours from: _____ to _____ | |
| | <input type="checkbox"/> Change course number
from: _____ to _____ | |
| | <input type="checkbox"/> Change description | |

3. **Course ID, title and description:**

B	I	O	M				
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_____ Clinical Data Standards
prefix *number* *title (20 characters)*

Clinical Data Standards
_____ *catalog name (40 characters)*

Scheduled offering: Fall Spring Summer On demand

To cross list a course, use the Course Cross Listing Form.

Describe the course in sentence form using 50 words or less as it is to appear in the catalog. List prerequisites, co-requisites and possible off-site instructional opportunities or requirements.

This graduate course reviews the various standards used in healthcare, with special focus on how those standards are used in electronic health records.

4. **Justification:**

Justify this change in terms of course needs or curriculum improvement. State the effect of this change on any degree programs. Identify the courses to be eliminated, if any, if this course is approved. (Course Approval Forms must also be submitted for these courses) Identify any existing course or courses that would extensively overlap or be duplicated if the proposed curricular change occurs. Provide statements of concurrence with the change from the chairperson(s) and dean(s) of the programs/areas offering the affected courses.

There will be no change to current degree plans.

SYLLABUS

COURSE NUMBER: BIOM _____

COURSE TITLE: Clinical Data Standards

COURSE DESCRIPTION:

This graduate course reviews the various standards used in healthcare, with special focus on how those standards are used in electronic health records.

PRE-REQUISITES: none

GENERAL INFORMATION:

CREDITS: 1

SEMESTER: Fall, Spring

LOCATION: Campus and Online (hybrid)

FACULTY: Lawrence Tarbox

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. Discuss the importance and limitations of standards in clinical information systems
2. Describe the types of standards routinely used in clinical care.
3. Explain how standards are implemented.
4. Identify which standards are used in what applications.
5. Sketch out the process by which standards are created.

MAJOR TOPICS:

Characteristics of Standards Development Organizations (SDOs)
The major SDOs involved in clinical data standards
The value of standards
The role of models in standards
The levels of interoperability
The stages of standards development
Patient identifiers
Transaction standards (e.g. ASC X12)
Messaging standards (e.g. HL 7, DICOM)
Terminology standards (e.g. SNOMED, LOINC, ICD, CPT)
Quality standards

ASSIGNMENTS:

Listed below for each week.

Week 1: The history of standards development

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 2:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 3:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 4:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 5:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 6:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 7:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 8:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 9:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 10:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 11:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 12:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 13:

Assignment:

Reading:

Quiz: Questions based on the week's content

Week 14:

Assignment:

Reading: from the primary literature

Quiz: Questions based on the week's content

Week 15:

Assignment:

Reading:

Quiz: Questions based on the week's content

TEXTBOOKS:

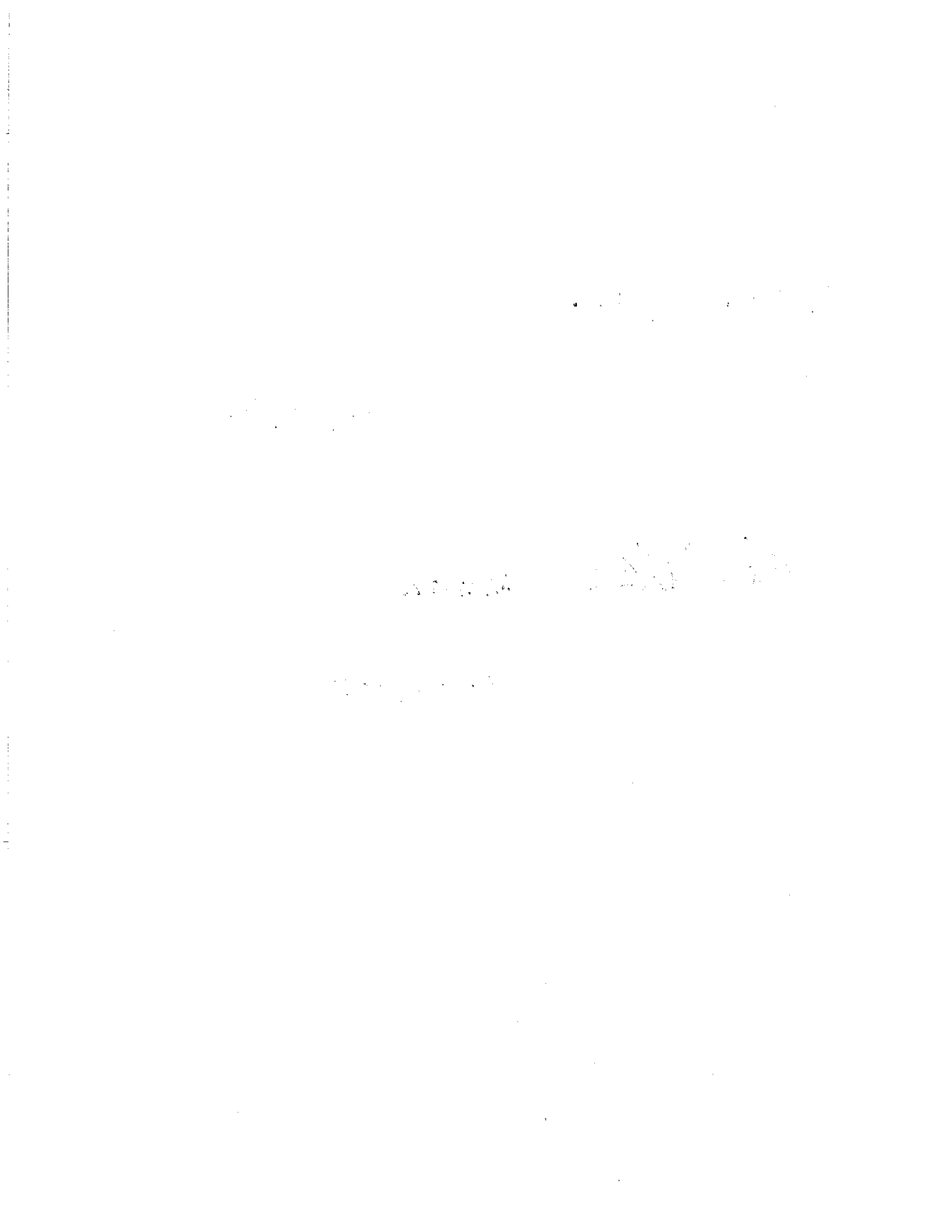
None. This course will use peer-reviewed, journal articles. There is no textbook currently available.

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).

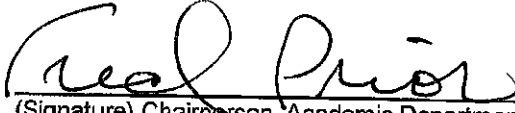
The course average will be comprised of course assignments and the Major project.

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

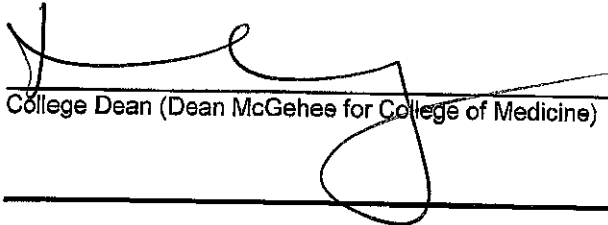


6. Program Approvals:

Fred Prior, PhD, Department of Biomedical Informatics
(Print or type) Chairperson, Academic Department or Area

 10/26/16

(Signature) Chairperson, Academic Department or Area Date

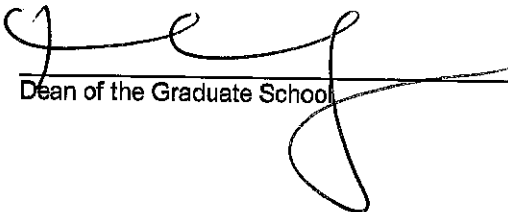
 11/17/2016

College Dean (Dean McGeehee for College of Medicine) Date

7. Graduate School Approvals

 11/17/2016

Chairperson, Graduate Council Date

 11/17/2016

Dean of the Graduate School Date