



# **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.

**5. Course Information:** *This information is not required for seminars, special problems, research, thesis, dissertation, colloquia, practica, etc.*

**Course Title and Course number:** *See Graduate School Office for assignment of course number.*

**Credit Hours:** **Stem Cells**  
**2 credit hours**

**Proposed Date/Semester:** **Spring 2019**

**Course Description:** *Briefly describe course topics and educational materials the course will cover.*  
**See Tentative Course Schedule below for topics covered.**

**Course Goals or Objectives:** *State at least one: examples.*

- To evaluate **To understand the unique physiological and pathological properties of stem cells relevant to**
- To demonstrate **biomedical research.**
- To measure **To appreciate the current status of the social and financial parameters that influence**
- To conduct **bench-to-bedside utilization of stem cell therapies.**
- To be able to **To be able to incorporate stem cell knowledge and techniques into existing research projects.**

**Course Prerequisites:** *State if any; if none, indicate "No prerequisites."*

The prerequisites are

**Prerequisite is successful completion of first-semester core graduate courses or consent of course director.**

**Attendance:** *See example below.*

Attendance is required for all classes. Excused absences may be obtained only by permission from the course director. Make-up exams will only be given under the most extenuating circumstances.

**Attendance and participation in exercises and discussions is required.**

**Student Evaluation:** *See examples below;*

This is a pass/fail course. A grade of 70% or greater will constitute a "pass".

Students' grades will be based on the following:

Attendance, discussion of reading, class/lab participation.....	20%
Final Examination .....	80%
TOTAL .....	100%

**Student's grades will be based upon attendance, discussion and literature presentation....100%**

**Course Evaluation:** *See example below; include evaluation by faculty peers as well as by students.*

At the end of the course, students will be provided with a Course Evaluation Form to anonymously assess the content and delivery of the course. Faculty will assess the course each term and make any appropriate modifications and updates.

**As stated above.**

**Textbooks/Reading Materials:** *See examples below.*

Textbook XXX along with other assigned reading will be used.

There will be no textbook but journal articles will be assigned reading.

Students will be e-mailed a copy of the PowerPoint presentations before each lecture.

**Textbooks: Stem Cells, R. Burgess, Wiley Blackwell (2016)**

**Essentials of Stem Cell Biology, R. Lanza, 3rd Edition (2013)**

**Course Director(s):** Dr. XXX

**Course Director: Dr. Melanie MacNicol**

**Tentative Course Schedule:**

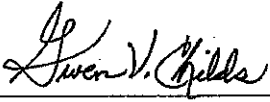
**Select lectures/discussions will be led by experts within the Graduate Faculty (tbd).**

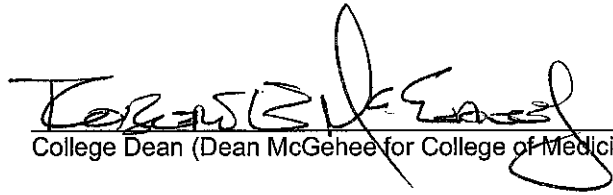
Session	Date	Topic	Instructor
1	weeks 1-3	Intro to Stem Cells in regenerative medicine and disease	M. MacNicol
2	weeks 4-6	Embryonic Stem Cells and Induced pluripotent Stem Cells	M. MacNicol
3	weeks 7-8	Adult Tissue Stem Cells	M. MacNicol/tbd
4	weeks 9-10	Cancer Stem Cells	Dr. A. MacNicol
5	weeks 11-12	Stem Cells as Drug Discovery Platforms	M. MacNicol/tbd
6	weeks 13-14	Therapeutic Applications of Stem Cells	M. MacNicol
7	weeks 15-16	Stem Cell Lab Demonstration	M. MacNicol

6. Program Approvals:

**Dr. Gwen Childs, Ph.D., Chair Department of Neurobiology and Developmental Sciences**

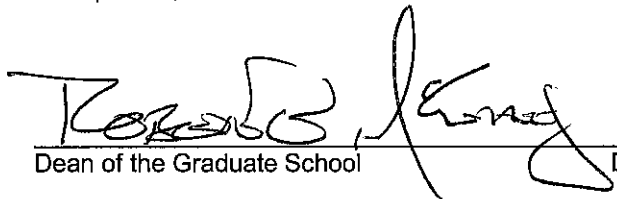
(Print or type) Chairperson, Academic Department or Area

 January 22, 2018  
(Signature) Chairperson, Academic Department or Area Date

 2/20/2018  
College Dean (Dean McGehee for College of Medicine) Date

7. Graduate School Approvals

 2-15-2018  
Chairperson, Graduate Council Date

 2-20-2018  
Dean of the Graduate School Date