Course Changes
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions:
1. Course request type:  □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  School of Public Health
3. Course prefix, number and complete title of course:  HPCH 670 Seminar in History and Context of Public Health

4. Change requested
   a. Prerequisite(s): From: ______________________ To: ______________________
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signatures of both the program heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   □ Yes  □ No

6. If grade type is changing for existing course, indicate the new grade type:  □ Grade  □ SAU  □ PI/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):  No change necessary

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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Approval recommended by:

Department Head or Program Chair (Type Name & Sign)  Date  Chair, College Review Committee

Department Head or Program Chair (Type Name & Sign)  Date  Dean of College

Submitted to Coordinating Board by:

Associate Director, Curricular Services  Date  Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: □ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: HPCH 671 Seminar in Public Health Theory

4. Change requested
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: __________________________________________
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: ___________________________
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): No change necessary

11. a. As currently in course inventory:
   Prefix | Course # | Title (excluding punctuation) |
   Lec. | Lab | Other | SCH | CP and Fund Code | Admin. Unit | ECL Code | Level |

   b. Change to:
   Prefix | Course # | Title (excluding punctuation) |
   Lec. | Lab | Other | SCH | CP and Fund Code | Admin. Unit | Year | ECL Code | Level |

   Approval recommended by:
   ____________________________  ____________________________
   Date                      Date

   Department Head or Program Chair (Type Name & Sign) Date
   Dean of College Date

   Submitted to Coordinating Board by:
   ____________________________ Date
   Chair, GC or USC

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 06/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate □ Graduate X First Professional (DDS, MD, JD, PharmD, DVM)

1. Course request type: □ Undergraduate X Graduate □ First Professional

2. Request submitted by (Department or Program Name): School of Public Health

3. Course prefix, number and complete title of course: HPCH 672 Seminar in Public Health Interventions

4. Change requested
   a. Prerequisite(s): From: To:
   b. Withdrawal (reason):
   c. Cross-list with:
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes □ No

6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

8. Controls/controls/basics for distance education (http://vpr.tamu.edu/resources/export-)

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): No change necessary

11. As currently in course inventory:

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Approval recommended by:

[Signature]

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date
(if cross-listed course)

Dean of College Date

Submitted to Coordinating Board by:

[Signature]

Associate Director, Curricular Services Date

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Curricular Services - 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type: □ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: HPCH 673 Seminar in Public Health Evaluation

Change requested
a. Prerequisite(s): From: ___________________________ To: ___________________________
   Withdrawal (reason): ___________________________
   Cross-listed courses require the signatures of both department heads.
d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://yrp.tamu.edu/resources/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): No change necessary

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Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date
(If cross-listed course)
Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date

Effective Date

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Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type:          □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: HPCH 674 Seminar in Social and Behavioral Health

4. Change requested
   a. Prerequisite(s): FROM: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ___________________________
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes  □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade  □ S/U  □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://ypc.tamu.edu/resources/export-controls/export-basics-for-distance-education).
9. Complete current course title and current catalog course description:

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Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date: 10/22/15
Chair/College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date: 10/22/15
Dean of College Date

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions:
1. Course request type:
   - [ ] Undergraduate
   - [X] Graduate
   - [ ] First Professional (DMD, AD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):
   School of Public Health
3. Course prefix, number and complete title of course:
   HPCH 685 Directed Study

4. Change requested
   a. Prerequisite(s):
      From: ___________________________ To: ___________________________
   b. Withdrawal (reason):
   c. Cross-list with:

5. Is this an existing core curriculum course?
   - [ ] Yes
   - [X] No

6. If grade type is changing for existing course, indicate the new grade type:
   - [X] Grade
   - [ ] S/U
   - [ ] P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   HPCH 685. Directed Study. Credit 1 to 12. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 12 hours total credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student’s academic advisor.

9. Complete proposed course title and proposed catalog course description:
   HPCH 685. Directed Study. Credit 1 to 12. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 12 hours total credit. Standard grading option only. Prerequisite: Approval of student’s academic advisor.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    HPCH 685. Directed Study. Credit 1 to 12. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 12 hours total credit. Standard grading option only. Prerequisite: Approval of student’s academic advisor.

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Approval recommended by:

[Signature]

Department Head or Program Chair (Type Name & Sign) Date: 11/4/05
Chair, College Review Committee Date: 1/22/15

Department Head or Program Chair (Type Name & Sign) Date: [Signature]
(If cross-listed course)
Dean of College Date: 3/24/15
Chair, GC or UCC Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate * Graduate * Professional
- Submit original form and attachments -

Form Instructions
1. Course request type:
   [ ] Undergraduate  [X] Graduate  [ ] First Professional (MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):
   School of Public Health
3. Course prefix, number and complete title of course:
   HPCH 686 Directed Research

   Attach a brief supporting statement for changes made in items 4a, 4b, and 4c below.

4. Change requested:
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): _____________________________
   c. Cross-list with:

   Cross-listed courses require the signature of both department chairs.

   d. Change in course title and description. Enter complete current course title and current course
description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   [ ] Yes  [X] No

6. If grade type is changing for existing course, indicate the new grade type:
   [X] Grade  [ ] S/U  [ ] P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vnr.tamu.edu/resources/export-control-export-contro-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   HPCH 686. Directed Research. Credit 1 to 9. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of nine credits. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student's academic advisor.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
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   Approval recommended by:
   [Signature]
   Date
   [Signature]
   Date
   [Signature]

   Chair, College Review Committee
   Date

   Dean of College
   Date

   Submitted to Coordinating Board by:
   [Signature]
   Date
   [Signature]
   Effective Date

Associate Director, Curricular Services
Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments •

Form Instructions

1. Course request type:
   □ Undergraduate  □ Graduate  □ First Professional  (DVM, MD, JD, PharmD)

2. Request submitted by (Department or Program Name):
   School of Public Health

3. Course prefix, number and complete title of course:
   HPCH 689 Special Topics - Health Promotion & Community Health Sciences

4. Change requested
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ___________________________
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
   f. Is this an existing core curriculum course? □ Yes  □ No
   g. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ PF (CLMD)
   h. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description: HPCH 689. Special Topics - Health Promotion & Community Health Sciences. Credit 1 to 4. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): HPCH 689. Special Topics - Health Promotion & Community Health Sciences. Credit 1 to 4. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Standard grading option only. Prerequisite: Approval of student's academic advisor.

11. a. As currently in course inventory:
   
   Prefix  Course #  Title (excluding punctuation)  Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  HIC Code  Level
   
   b. Change to:
   
   Prefix  Course #  Title (excluding punctuation)  Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  HIC Code  Level

   Approval recommended by:
   [Signature]
   Department Head or Program Chair (Type Name & Sign)  Date

   Chair, College Review Committee  Date

   Department Head or Program Chair (Type Name & Sign)  Date
   (If cross-listed course)

   Dean of College  Date

   Submitted to Coordinating Board by:
   Chair, GC or UCC  Date

   Associate Director, Curricular Services  Date

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DPA)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHED 685 Directed Study
4. Change requested
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ___________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☑ Yes ☐ No
6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade ☐ S/U ☐ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: ___________________________

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vor.tamu.edu/resources/export-control-basics-for-distance-education).
9. Complete current course title and current catalog course description: PHED 685. Directed Study. Credit 1 to 6. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 6 hours total credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student's academic advisor.
10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): PHED 685. Directed Study. Credit 1 to 6. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 6 hours total credit. Standard grading option only. Prerequisite: Approval of student's academic advisor.

   a. As currently in course inventory:

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   b. Change to:

<table>
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<th>Course #</th>
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</table>

   Approval recommended by: ___________________________

   Department Head or Program Chair (Type Name & Sign) ___________________________ Date 2-1-15

   Chair, College Review Committee ___________________________ Date 1-27-15

   Dean of College ___________________________ Date

   (if cross-listed course)

   Submitted to Coordinating Board by: ___________________________ Date

   Chair, GC or UCC ___________________________ Date

   Associate Director, Curricular Services ___________________________ Date

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University

Departmental Request for a Change in Course
Undergraduate ∙ Graduate ∙ Professional

Submit original form and attachments

Form Instructions
1. Course request type: □ Undergraduate  X Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHEB 686 Directed Research

4. Change requested
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ____________________________________________

   Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   Cross-listed courses require the signature of both department heads.
   c. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes  X No

6. If grade type is changing for existing course, indicate the new grade type: X Grade  S/U  □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ____________________________________________
   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description: PHEB 686. Directed Research. Credit 1 to 3. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of 6 credits. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student's academic advisor.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words): PHEB 686. Directed Research. Credit 1 to 3. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of 6 credits. Standard grading option only. Prerequisite: Approval of student's academic advisor.

10. As currently in course inventory:

   a. As currently in course inventory:

      Prefix  Course #  Title (excluding punctuation)

      Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  HICE Code

      0 0 3 6 3 2

   b. Change to:

      Prefix  Course #  Title (excluding punctuation)

      Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Aced. Year  HICE Code

      0 0 3 6 3 2

   Approval recommended by:

   Chair, College Review Committee

   Dean of College

   Chair, GC or UCC

   Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type:  
   ☐ Undergraduate  ☑ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  
   School of Public Health
3. Course prefix, number and complete title of course:  
   PHEB 689 Special Topics - Epidemiology and Biostatistics

4. Change requested
   a. Prerequisite(s):  
      From:  
      To:  
   b. Withdrawal (reason):  
   c. Cross-list with:  

   Cross-listed courses require the signatures of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   ☐ Yes  ☑ No

6. If grade type is changing for existing course, indicate the new grade type:  
   ☑ Grade  ☐ S/U  ☐ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:  

   I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://vpr.tamu.edu/resources/export- 
   controls/export-controle-basics-for-distance-education).

8. Complete current course title and current catalog course description:  
   PHEB 689. Special Topics - Epidemiology and Biostatistics. Credit 1 to 3. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):  
   PHEB 689. Special Topics - Epidemiology and Biostatistics. Credit 1 to 3. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Standard grading option only. Prerequisite: Approval of student's academic advisor.

11. a. As currently in course inventory:

   Prefix  Course #  Title (excluding punctuation)

   Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  HCF Code

   Level

   b. Change to:

   Prefix  Course #  Title (excluding punctuation)

   Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Accl. Year  HCF Code

   Approval recommended by:  
   [Signature]  
   [Date]

   Department Head or Program Chair (Type Name & Sign)  Date

   Chair, College Review Committee  Date

   Department Head or Program Chair (Type Name & Sign)  Date
   (If cross-listed course)

   Dean of College  Date

   Submitted to Coordinating Board by:  
   [Signature]  
   [Date]

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: □ Undergraduate  X Graduate □ First Professional (DMD, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHEO 685 Directed Study

Attach a brief supporting statement for changes made to Items 4a through 4d and 10 below.

4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): ______________________________________________________
   c. Cross-list with: [ ]

   Cross-listed courses require the signature of both department heads.
   
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes  X No

6. If grade type is changing for existing course, indicate the new grade type:  X Grade □ S/U □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course.

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpc.tamu.edu/resources/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description: PHEO 685. Directed Study. Credit 1 to 3. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 6 hours total credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student's academic advisor.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): PHEO 685. Directed Study. Credit 1 to 3. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 6 hours total credit. Standard grading option only. Prerequisite: Approval of student's academic advisor.

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<td>003632</td>
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Approval recommended by: ________________________________

Department Head or Program Chair (Type Name & Sign) ________________________________ Date 1/21/2015

Chair, College Review Committee
Date 1/21/2015

Department Head or Program Chair (Type Name & Sign) ________________________________ Date 1/21/2015

If cross-listed course

Dean of College
Date 1/21/2015

Submitted to Coordinating Board by: ________________________________

Chair, GC or UCC
Date 1/21/2015

Associate Director, Curricular Services

Date 1/21/2015

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu

Curriculum Committee 1/21/15
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type:  □ Undergraduate  □ Graduate  □ First Professional (MD, DDS, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHEO 686 Directed Research

4. Change requested
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason):
   c. Cross-list with:
      Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? □ Yes  □ No
6. If grade type is changing for existing course, indicate the new grade type:  ☑ Grade □ S/U  □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-control-basics-for-distance-education)
8. Complete current course title and current catalog course description: PHEO 686. Directed Research. Credit 1 to 9. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of 6 credits. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student’s academic advisor.
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words): PHEO 686. Directed Research. Credit 1 to 3. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of 6 credits. Standard grading option only. Prerequisite: Approval of student’s academic advisor.

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b. Change to:

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Approval recommended by:

Date 1/21/2015

Department Head or Program Chair (Type Name & Sign)

Date 1/21/2015

Chair, College Review Committee

Date 1/21/2015

Dean of College

Date 2/24/15

Chair, GC or UCQ

Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 08/14
Texas A&M University

Departmental Request for a Change in Course
Undergraduate ♦ Graduate ♦ Professional
Submit original form and attachments

**Form Instructions**
1. Course request type: □ Undergraduate  ☒ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHEO 689 Special Topics - Environmental and Occupational Health
4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): __________________________
   c. Cross-list with: __________________________
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? □ Yes  ☒ No
6. If grade type is changing for existing course, indicate the new grade type: ☒ Grade
   □ S/U  □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vmr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description: PHEO 689. Special Topics - Environmental and Occupational Health. Credit 1 to 4. Revolving topics seminar in an area of specialization within the department. May be repeated for credit.
   Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun.
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words): PHEO 689. Special Topics - Environmental and Occupational Health. Credit 1 to 4. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Standard grading option only. Prerequisite: Approval of student’s academic advisor.

10. As currently in course inventory:
    
    | Prefix | Course # | Title (excluding punctuation) | Lec. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | ECE Code |
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b. Change to:

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Approval recommended by: __________________________

Department Head or Program Chair (Type Name & Sign) __________________________
Date __________________________

Chair, College Review Committee __________________________
Date __________________________

Dean of College __________________________
Date __________________________

Submitted to Coordinating Board by: __________________________

Chair, GC or UCC __________________________
Date __________________________

Associate Director, Curricular Services __________________________
Date __________________________

Effective Date __________________________

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University

Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: ☐ Undergraduate  ☑ Graduate  ☐ First Professional (DVM, MD, JD, PharmD, DMA)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHPM 685 Directed Study

4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☐ Yes  ☑ No

6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade  ☐ S/U  ☐ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description: PHPM 685. Directed Study. Credit 1 to 3. Student investigation of a topic not covered by other formal courses. May be repeated for a maximum of 6 hours total credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun. Prerequisite: Approval of student's academic advisor.

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10. As currently in course inventory:

    a. Prefix  Course #  Title (excluding punctuation)

    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  HICE Code

    b. Change to:

    Prefix  Course #  Title (excluding punctuation)

    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  HICE Code

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Dean of College Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University

Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
Submit original form and attachments

1. Course request type:
   - Undergraduate
   - Graduate
   - First Professional (MD, JD, PhD, DVM)

2. Request submitted by (Department or Program Name):
   School of Public Health

3. Course prefix, number and complete title of course:
   PHPM 686 Directed Research

4. Change requested:
   a. Prerequisite(s):
      From: ___________________________ To: ___________________________
   b. Withdrawal (reason):
      ___________________________
   c. Cross-list with:
      ___________________________
   d. Change in course title and description: Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   - Yes
   - No
   - Grade
   - S/U
   - P/F (CLMD)

6. If grade type is changing for existing course, indicate the new grade type:
   - Grade
   - S/U
   - P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ___________________________

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   PHPM 686. Directed Research. Credit 1 to 3. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of 6 credits. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and is not altered once the course begins. Prerequisite: Approval of student's academic advisor.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    PHPM 686. Directed Research. Credit 1 to 3. Student research initiative not within the scope of a thesis or dissertation. May be repeated for a maximum of 6 credits. Standard grading option only. Prerequisite: Approval of student's academic advisor.

11. a. As currently in course inventory:
    
    Prefix | Course # | Title (excluding punctuation)
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    Lect. | Lab | Other | SCH | CIP and Fund Code | Admin Unit | LICE Code |
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    b. Change to:
    
    Prefix | Course # | Title (excluding punctuation)
    ------- | --------- | --------------------------
    
    Lect. | Lab | Other | SCH | CIP and Fund Code | Admin Unit | LICE Code |
    0 | 0 | 3 | 6 | 3 | 2 |

   Approval recommended by:
   ___________________________

   Department Head or Program Chair (Type Name & Sign)
   Date: ________________________

   Chair, College Review Committee
   Date: ________________________

  Dean of College
   Date: ________________________

   Chair, GC or UCC
   Date: ________________________

Submitted to Coordinating Board by:
Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
- Submit original form and attachments -

Form Instructions
1. Course request type: □ Undergraduate  □ Graduate  □ First Professional (DMD, MD, JD, PharmD, DPh)
2. Request submitted by (Department or Program Name): School of Public Health
3. Course prefix, number and complete title of course: PHPM 689 Special Topics - Health Policy and Management

4. Change requested
   a. Prerequisite(s): From: _______________________________ To: _______________________________
   b. Withdrawal (reason): _______________________________
   c. Cross-list with: _______________________________

5. Is this an existing core curriculum course? □ Yes □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: _______________________________

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description: PHPM 689. Special Topics - Health Policy and Management. Credit 1 to 4. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Satisfactory/Unsatisfactory grading option or standard grading option to be determined by the instructor and applied to all students registered for the course. Grading option will be determined prior to the first class day, outlined in the course syllabus and not be altered once the course has begun.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): PHPM 689. Special Topics - Health Policy and Management. Credit 1 to 4. Revolving topics seminar in an area of specialization within the department. May be repeated for credit. Standard grading option only. Prerequisite: Approval of student’s academic advisor.

11. a. As currently in course inventory:

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Approval recommended by: _______________________________

Department Head or Program Chair (Type Name & Sign) _______________________________
Date _______________________________

Chair, College Review Committee _______________________________
Date _______________________________

Department Head or Program Chair (Type Name & Sign) _______________________________
Date _______________________________

If cross-listed course, _______________________________

Dean of College _______________________________
Date _______________________________

Submitted to Coordinating Board by: _______________________________

Associate Director, Curricular Services _______________________________

Date _______________________________

Questions regarding this form should be directed to Sandra Williams at 845-8291 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate * Graduate * Professional
Submit original form and attachments

Form Instructions
1. Course request type: □ Undergraduate □ Graduate □ First Professional (TDQ, M.D., Ed.D., Ph.D., D.P.M., D.V.M., D.A.A.D.
2. Request submitted by: Department or Program Name: Water Management and Hydrological Sciences Program
3. Course prefix, number and complete title of course: WMHS 601 Applications and Problems in Hydrological Sciences

4. Change requested
   a. Prerequisite(s): From: Approval of instructor To: Graduate Classification
   b. Withdrawal (reason):
   c. Cross-list with: GEOG 634 Hydrology and Environment
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus

5. Is this an existing core curriculum course? □ Yes □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ FYF (CLAW)
7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export- controls/export-control-basics-for-distance-education).
8. Complete current course title and current catalog course description:

   Water Management and Hydrological Science (WMHS) 601. Applications and Problems in Hydrological Sciences. Credit 3. Integration and application of biophysical hydrologic processes affecting surface and groundwater resources; problem/resolution format; applications of experience through problem identification, data collection, analysis and identification of solutions and alternatives. Prerequisite: Approval of instructor

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

   Hydrology and Environment (WMHS) 601. Examination of hydrologic processes affecting surface and groundwater resources; impact of climate, soils, vegetation, land-use practices, and human effects on hydrologic processes; natural-scientific perspectives emphasized; Prerequisite: Graduate Classification. Cross-listed with GEOG 634.

10. a. As currently in course inventory:

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Approval recommended by:

Ronald Kaiser

Department Chair or Program Chair (Type Name & Sign) Date 10/20/14

Chair, College Date 11/1/2014

(Revised course)

Signed Date 10/20/14

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date 1/31/14

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 08/14
Hydrology and Environment (WMHS 601)
Fall 2015

Instructor: Dr. Steven M. Quiring
Office: O&M 814A
Office Hours: M 11:00 – noon, W 10:30 – 11:30 a.m. and by appointment
Phone: 458-1712
Email: squiring@tamu.edu

Class Meeting Time and Place: MWF 9:10 –10:00 a.m., 303 CSA

Online Course Information: http://ecampus.tamu.edu/

Prerequisite: Graduate classification

Course Objective:
To provide you with an understanding of all components of the hydrologic cycle and how these components vary spatially and temporally due to the influence of human activities and the environment.

Course Description:
Water is fundamental for life on earth. This course will focus on water in the atmosphere, water on the earth’s surface and water in the root zone of the soil. We will investigate all of the hydrologic processes affecting surface and groundwater resources, including precipitation, evapotranspiration, infiltration & storage, and runoff. This includes investigation of the impact of climate, soils, vegetation, land-use practices and human activities on hydrologic processes. Specifically we will investigate the:

1) **processes** controlling each component of the hydrologic cycle
2) **spatial and temporal distribution** of each component of the hydrologic cycle in the atmosphere and over the earth’s surface (i.e., how and why it varies)
3) **measurement and modeling** of each component of the hydrologic cycle (i.e., how is it measured, how accurate are the measurements and models, what are the known biases in measuring and modeling this component)
4) **issues** related to how humans manage each component and how it is influenced by human activities.

The readings and lectures will cover the fundamental principles that are necessary for understanding hydroclimatology. The term paper will require you to quantitatively analyze real-world hydrologic problems and it will help you develop research skills (data analysis, problem solving, etc.).
Learning Objectives:
As a result of taking this course you should know certain things (knowledge objectives) and be able to do certain things (skill objectives).

Knowledge objectives (Things you should know by the end of the course):

- Describe the processes that are responsible for each component of the hydrologic cycle.
- Describe the spatial distribution of each of the components and why they are distributed in this manner (i.e., how and why). You should also be able to describe the temporal trends in each component (e.g., Is the world getting wetter or drier?).
- Describe how each component of the hydrologic cycle is measured and modeled and the biases (errors) in each of the measuring and modeling techniques.
- Discuss the major water resource issues and critique the proposed solutions to these issues.
- Critique published research on hydrology and hydroclimatology and be able to describe the strengths and weaknesses of the data and methodology utilized by the authors.

Skill objectives (Things you should be able to do by the end of the course):

- Interpolate precipitation data.
- Analyze trends in precipitation data.
- Calculate the recurrence interval for precipitation events of a given magnitude.
- Model evapotranspiration.
- Calculate infiltration and runoff.
- Estimate peak discharge.
- Model the climatic water balance.
- Perform library research.
- Write a literature review (synthesis of the literature).
- Evaluate the published research and the research of your peers.
- Write a scientific research paper that conforms to the accepted standard for publication in a peer-reviewed journal.
- Deliver a clear and concise oral presentation on the research that you completed during the semester.

Required Textbook:


Weekly readings will be assigned throughout the semester and will be made available through ecampus.tamu.edu. The textbook will cover the basic material for each unit and
the other assigned readings (which will be drawn from the scientific literature) will provide more depth on certain topics.

**Course Outline:**
We will begin by examining the fundamentals and importance of hydrology. We will then examine each component of the hydrological cycle in detail. Finally, we will examine some contemporary issues in hydrology.

1) Introduction to Hydrology (Week 1)
   - The Hydrosphere
   - Why is water important?
   - Functions and properties of water
   - Basic concepts in hydrology:
     - Hydrological cycle
     - Watershed

2) Precipitation (Week 2, 3 and 4)
   - Mechanisms
     - What cause precipitation to occur?
     - Types (convective, frontal, cyclonic, orographic)
   - Spatial and Temporal Variability
   - Measurement
     - In situ (gage measurement and biases)
     - Remote sensing (weather radar and satellite)
   - Modeling and Interpolation
     - Areal averaging
     - Interpolation
   - Issues
     - Cloud seeding
     - Climate change

3) Evapotranspiration (ET) (Week 5 and 6)
   - Processes
     - What is evaporation (E)?
     - What is transpiration (T)?
     - What controls the rate of E&T?
     - What is Potential ET? What is Actual ET?
   - Spatial and Temporal Variability
   - Measuring ET
   - Modeling ET
   - Issues
     - Controlling ET

4) Infiltration and Storage (soil moisture & ground water) (Week 7, 8 and 9)
   - Processes
     - What controls infiltration and storage?
- Impact of soil characteristics
- Soil water movement
- Soil water loss
- Ground water recharge and flow
- Ground water-surface water relations
- Spatial and Temporal Variability
- Measuring and Modeling Infiltration and Storage
- Issues
  - Impervious surfaces
  - Irrigation
  - Moisture recycling
  - Effects of ground water extraction
  - Aquifer storage and recovery

5) Runoff and Streamflow (Week 10, 11 and 12)
- Processes
  - Overland runoff
  - Base flow and event flow
  - Streamflow dynamics and networks
  - Hydrographs
- Spatial and Temporal Variability
- Measuring and Modeling Streamflow
  - Stream gages (discharge, stage)
  - Flow routing
  - Hydrologic modeling
- Issues
  - Flood control structures
  - Irrigation
  - Land use/land cover change
  - Water quality
  - Climate change

7) Graduate Research Presentations (December 1, 3 & 5)

8) Last Class & Review for Final Exam (Monday, December 8)

FIRST EXAM (Monday, October 13)
RESEARCH PAPER (Wednesday, November 26)
FINAL EXAM (Monday, December 15, 8-10 am)

Grading:
First Exam (Oct. 13) 25%
Research Paper (Nov. 26) 35%
Research Presentation (Dec. 1, 3 or 5) 10%
Final Exam (Dec. 15) 30%
*No late papers or exercises will be accepted. Students who do not hand in an assignment by the due date will receive a grade of zero.

The grading system follows the Texas A&M University grading system:
A = Excellent
B = Good
C = Satisfactory
D = Passing
F = Failing
Grades will be assigned based on the following cutoffs: A = > 90%, B = 80-89%, C = 70-79%, D = 60-69%, F = <60%.

Exams (first exam = 25%; final exam = 30%):
The two exams will be based on the material covered in the lectures and the readings and in-class exercises. The final exam will be cumulative. They will involve short answer, application and problem solving (based on the exercises), and paragraph/essay questions. Students seeking an excused absence on a test day must notify the professor or the Department of Geography by the end of the next working day following the absence, as described in Texas A&M University Student Rules. For an absence considered excused by the university (see Student Rules), the student will be required to make-up the missed exam. At the instructor's discretion, the make-up exam might be in a different format (e.g., essay) than the original exam. Please see the instructor in advance if you know you will not be able to take a test on the scheduled date.

Research Paper (35%):
The research paper will provide you with an opportunity to do an in-depth study on a hydrological topic that interests you. I am expecting you to review the relevant literature and analyze data. The paper should be approximately 20 pages and should follow the style of Water Resources Research. You will be required to write a research paper and deliver a presentation to the class. This assignment will be discussed in more detail in class. You are welcome to select any topic that relates to the hydrological cycle (e.g., precipitation, evapotranspiration, soil moisture, runoff or streamflow). I have listed examples of a number of topics that would be appropriate:
- How accurately is precipitation measured by... satellites, radar, gages?
- How will (how is) climate change affecting hydroclimatology:
  Is precipitation increasing or decreasing (are floods or droughts becoming more frequent)? Will there be more extreme events? What will happen to evaporation?
  Describe one of the following hydrological applications: flood forecasting, reservoir management, flashing flood risk, hydrological modeling
- What impact is land use/land cover change having on hydrology?
- What causes drought to occur?

Project Presentation (10%):
All students will be required to present their research in class Dec. 1, Dec. 3 or Dec. 5. You will be given 15 minutes to present your research and there will be a few minutes for questions following your presentation. Time limits will be strictly enforced (just as they
would be if you were presenting at a national meeting). I will go over the grading rubric in class. You are encouraged to use powerpoint or other visual media to enhance your presentation.

**Cellular Telephones**
As a courtesy to the instructor and other students please turn off all cellular telephones and two-way pagers before the class begins. I find it extremely impolite to be interrupted by a cellular telephone when I am lecturing.

**Email**
All Texas A&M students should use their neo email accounts when emailing the instructor and teaching assistants. I may also send out class announcements via the neo email system as well. It is your responsibility to check your neo email account regularly.

**Scholastic Dishonesty**
It is my hope that academic dishonesty will not be a problem in this class. Texas A&M does, however, have a *Scholastic Dishonesty* policy to which both students and faculty must comply. If you have any questions about the University's Scholastic Dishonesty policy please review the Student Rules or see me. The Aggie Honor program is the new program that will handle all cases of academic dishonesty. The Aggie Honor program website is located at [http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/)

The materials used in this course are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless permission is expressly granted.

As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, [http://student-rules.tamu.edu](http://student-rules.tamu.edu), under the section “Scholastic Dishonesty.”

*Aggie Code of Honor: “An Aggie does not lie, cheat or steal, or tolerate those who do”*
[http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/)

**Student Support**
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 believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room B118 of Cain Hall. The phone number is 845-1637.

*For more information please contact:*
**Services for Students with Disabilities**
Room B118 of Cain Hall, 845-1637, [http://studentlife.tamu.edu/ssp/](http://studentlife.tamu.edu/ssp/)

There are numerous other student support organizations on campus including:
**Center for Academic Excellence and Academic Assistance Clearinghouse**
525 Blocker, 845-2724, [http://www.tamu.edu/cae](http://www.tamu.edu/cae)

**Student Counseling Service**
Henderson Hall, 845-4427, [http://www.scs.tamu.edu/](http://www.scs.tamu.edu/)