College of Charleston

**PEHD 498: Capstone**  
Spring 2012

**Course Location & Times:**  
TR 8:00 – 9:15am  
JOHN 206

**Instructor:** Dr. Carwyn Sharp  
**Office:** Silcox Rm 208  
**Office hours:**  
Mon 10:00 - 11:00AM & 3:00 - 4:00PM  
Tue 3:00 - 4:00PM  
Thu 9:15 – 10:15AM & 3:00 - 4:00PM;  
Or email to schedule an appointment

**Phone:** (843) 953-7664 (office)  
**Email:** sharpc@cofc.edu

**NOTE:** I will return e-mails and phone calls during office hours due to my other classes, committee and meeting commitments, research and mentoring duties.

**Prerequisite courses:**  
PEHD433 & Permission of Instructor

**Course Description:**  
The capstone experience is a culmination of course work in exercise science. It provides the opportunity to critically analyze and conduct contemporary research, practice in a clinical setting, evaluate the current and future trends in the discipline, and discuss personal and professional challenges that will exist following commencement.

**Required Textbooks:**  
None

**Course Objectives:**  
Upon successful completion of this course the student should be able to:  
1. Complete research in the area that was initiated in PEHD 433 including, but not limited to recruitment of subjects, data capture, appropriate statistical analysis and preparation of work for presentation/publication.
2. Critically analyze research in the field of exercise science, including, but not limited to, i) reading and dissecting a research article, ii) assessing the methods and materials of a research manuscript and iii) determining if the discussion section is supported by the
research findings.
3. Describe some of the primary professional issues and concerns that are currently affecting exercise scientists.
4. Explain the important contributions the exercise sciences make to preventative healthcare.
5. Select, administer, and analyze the results of fitness assessments of diverse groups of people.

**Grading Policy / Assessment:**

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<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Mentor Mid-Term evaluation</td>
<td>25%</td>
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<tr>
<td>Peer Mid-Term evaluation</td>
<td>15%</td>
</tr>
<tr>
<td>Mentor Final evaluation</td>
<td>25%</td>
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<tr>
<td>Peer Final evaluation</td>
<td>15%</td>
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<tr>
<td>Poster</td>
<td>20%</td>
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</tbody>
</table>

**Total** 100%

Your final grade is calculated by dividing the sum of all your assessment (eg 570) by the Total Points possible (600). For example, 570/600 = 0.95. Multiply 0.95 x 100 = 95%, so overall grade = A.

To receive course credit students will be required to complete the research project that was initiated in the fall semester in PEHD 433. Completion of this project includes **ALL** of the following:

i. Subject recruitment,
ii. Data collection,
iii. Data reduction,
iv. Statistical analyses.
v. Discussion of results

Students will be required to work with their mentors to establish a timeline for completion of the project components outlined above. A specific timeline including dates and deliverables must be submitted to DropBox as either pdf or Word no later than January 18th at 11:59pm.

During the course of the semester students will evaluate each other and their peers within the group. Evaluation forms are available on OAKS. Due dates are February 23rd & April 12th by 11:59pm. Your file **MUST** be titled first with your mentors name then your name eg Sharp_Jones.doc.

Students will also be evaluated twice during the semester by their Faculty mentors.

In addition, students will be responsible for preparation and development of a poster/presentation suitable for presentation at the annual Math & Science Poster Session in April 2012 or a professional meeting. You should start working on your poster as soon as possible. **Do not wait for the date to be advised.**

Failure to complete any part of this project by the date of the final exam will result in an
incomplete (I) grade for the course. A grade change for the course will not occur until all components of the research project are complete.

**Extra Credit:**

There will be no extra credit and no time extensions.

**Late Work:**

All assigned work must be completed and submitted on OAKS no later than the date and time given above. Work submitted past this time (even on the due date) will not be accepted and you will earn a zero (0).

**Grade Scale:**

Course letter grades will be determined on the basis of overall performance. Total earned points will be divided by 6 and the following will be used to determine final grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100</td>
</tr>
<tr>
<td>A-</td>
<td>88 – 89</td>
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<tr>
<td>B+</td>
<td>85 – 87</td>
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<tr>
<td>B</td>
<td>80 – 84</td>
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<tr>
<td>B-</td>
<td>78 – 79</td>
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Students have 5 working days from the time grades are posted on WebCT to contest your grade on any assignment or examination. Dr. Sharp will e-mail you as soon as your grade is posted on WebCT. As such it is every student’s responsibility to check their grade for all assessment and extra credit within 24 hours of receiving Dr. Sharp’s e-mail.

**Attendance:**

You are expected to attend all class meetings. If extreme circumstances necessitate an absence, you will be held responsible for the class material covered during your absence.

**Honor System:**

Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when identified, are investigated. For example, simply re-arranging a paragraph or changing one or two words of another individual’s work is still considered plagiarism. Each instance is examined to determine the degree of deception involved. Cases of suspected academic dishonesty will be reported directly to the Dean of Students. **It is important for students to remember that unauthorized collaboration—working together without permission— is a form of cheating. **Unless I specify that students can work together on an assignment and/or test, no collaboration is permitted. Other forms of cheating include possessing or using an unauthorized study aid (such as a PDA), copying from another’s exam, fabricating data, and giving unauthorized assistance.

*IT IS IMPORTANT TO NOTE THAT ANY STUDENT DETERMINED BY THE COLLEGE OF CHARLESTON HONOR BOARD TO BE IN VIOLATION OF ANY ASPECT OF THE HONOR CODE WILL BE ASSIGNED AN "XF" AS THE FINAL
GRADE IN THIS COURSE, INDICATING FAILURE OF THE COURSE DUE TO ACADEMIC DISHONESTY.

Disability

In compliance with the Americans with Disability act (ADA), all qualified students are entitled to “reasonable accommodations.” Please notify Dr. Sharp during the first week of class of any accommodations needed.

Personal Electronic Devices:

Personal electronic devices such as smart phones, cell phones, iPods, and PDA’s are not permitted for use in class. Students needing to bring such devices to class must be sure the device is TURNED OFF (not set to vibrate) and secured inside a book-bag, purse, or pocket for the entire class time. Students removing an electronic device from its secured location or using personal electronic devices during class time will be asked to leave the classroom for the remainder of the class meeting time.