

**ADVANCED TOPICS IN CARDIOVASCULAR SCIENCES - JCV3061H**  
**HORMONES & CARDIOVASCULAR SYSTEM (2012)**

**PLACE:** *Medical Sciences Bldg, ROOM 3287*  
**TIME:** *10:00 – 12:00*  
**DATE:** *JANUARY – APRIL, 2012*

- Jan 13** Introduction/Orientation (**C. Wittnich**)  
Overview of fluid, volume and electrolyte regulations (**S. Logan**)
- Jan 20** Sex hormones and the cardiovascular system – I (**C. Wittnich**)
- Jan 27** Sex hormones and the cardiovascular system – II (**C. Wittnich**)
- Feb 3** Insulin and the cardiovascular system - I (**A. Giacca**)
- Feb 10** Insulin and the cardiovascular system – II (**A. Giacca**)
- Feb 17** **Student seminar** on Catecholamines & adrenoceptors in the heart – I  
(**facilitator C. Wittnich; mentor J. Parker**)
- Feb 24** **Student seminar** Catecholamines & adrenoceptors in the heart – II  
(**facilitator C. Wittnich; mentor J. Parker**)  
(**essay outline due**)
- Mar 2** Renin-angiotensin system in blood pressure regulation (**P. Harvey**)
- Mar 9** Aldosterone – its role in volume regulation and effects on blood pressure  
Kallikrein and kinin system (**R. Richardson**)
- Mar 16** Natriuretic peptides in cardiorenal homeostasis (**G. Moe**)
- Mar 23** Societal and health systems aspects of hormones in heart disease (**S. Clarke**)
- Mar 30** **STUDENT PRESENTATIONS I**
- Apr 6** **GOOD FRIDAY**
- Apr 13** **STUDENT PRESENTATIONS II**
- APR 20** **ASSIGNMENTS DUE**

**JCV 3061/3062**  
**ADVANCED TOPICS IN CARDIOVASCULAR SCIENCES**

**Marking Scheme:**

- 40% - Written Essay
- 30% - Student Oral Presentation
- 10% - Student seminars on catecholamines and adrenoceptors
- 10% - Essay outline
- 10% - Participation

**OUTLINE FOR WRITTEN ASSIGNMENT**

The outline for the essay is to be no longer than 2 single spaced typed pages, 12 font and consist of enough information to assess the future content of the essay and what length will be dedicated to the various sections/components. No references are needed at this point.

**This outline will be evaluated on a 1- 5 point score for each of the following:**

Adherence to 2 pages (single spaced); Relevance of topic selected; Appropriateness of critical review of literature; Organization and flow of review; Usefulness of review to clarify literature in the field; Focus of outline; Originality of review; Clarity & Ease of interpretation.

~~~~~

**ORAL PRESENTATION**

**The presentation will be graded on a 1- 5 point scale on each of the following categories:**

**Verbal component:** Adherence to time allotted; Grasp of field around topic; Background and rationale of subject indicated; Quality of presentation; Originality; Coherence and effectiveness of presentation; Ability to answer questions; Overall impression.

**AV component:** Clarity of slides or overheads; Ease of interpretation; Use of audiovisual aids.

~~~~~

**INSTRUCTIONS FOR WRITTEN ASSIGNMENT**

Provide a clear, concise review of the topic selected with 15 double spaced pages (not including diagrams) and 5 pages of references. Topic selected must not be your thesis work, nor can it be identical to any invited lecturers content. It should include the current state of knowledge in a logical and clear manner, a good and thorough review of the literature, and identification of areas of potential investigation. Assignments will be graded according to readability, organization, interpretation of the literature, clarity and identification of appropriate areas for future study.

**The written assignment will be graded on a 1- 5 point scale on each component listed:**

Adherence to review guidelines (max 15 pgs, double-spaced, 5 pgs references); Relevance of topic selected; Appropriateness of critical review of literature; Organization of review; Flow of manuscript; Usefulness of review article to clarify literature in the field; Student's grasp of field around review topic; Background and rationale of review; Quality of review and proposal; Originality of review; Clarity & Ease of interpretation.