

**UNSW**



# **THE UNIVERSITY OF NEW SOUTH WALES**

**Exercise Physiology Program**

**School of Medical Sciences**

**Faculty of Medicine**

**HESC4611 / 4622**

**CLINICAL PRACTICUM A / B**

Summer, Semester 1 and 2, 2011  
Course Outline

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### Staff responsibilities

- The course convenor is responsible for approving enrolment variations (e.g. prerequisite and session issues) and general oversight of the clinical practicum, including engaging clinical supervisors and addressing student difficulties.
- The practicum coordinator is the key contact for arranging placements, managing clinical logs and supervisor's reports, verifying that non-academic course requirements are met (e.g. first aid certification, criminal record checks) and scheduling shifts for placements at the UNSW Medicine Lifestyle Clinic.
- The practicum coordinator and the course convenor are jointly responsible for ensuring the availability of *a sufficient number of quality clinical placements*.
- The program officer will assist students with enrolment difficulties and practicum uniforms.
- The academic staff support the course convenor and practicum coordinator in maintaining and building relationships with clinical supervisors, and also reviewing the course assessment items (i.e. attendance record notes, supervisor's reports, student case studies and placement evaluations or online discussion participation).
- Clinical supervisors include staff of the UNSW Medicine Lifestyle Clinic, conjoint staff and other volunteer supervisors in NSW Health and private facilities. These staff provide the network to facilitate workplace training and regularly liaise with the program staff regarding student performance. *Students should not contact any of the clinical supervisors directly unless you are assigned to their clinical service for a placement.*
- The clinical supervisor training coordinator works in conjunction with the practicum coordinator and the academic staff to develop and deliver the Professional Placement Supervision project.

## Course details

**Credit Points:** 6 UOC

### Course Prerequisites / Assumed Knowledge

Clinical Practicum courses may not normally be commenced until a student has completed each of the stage 3 clinical courses, HESC3504, HESC3541, HESC3532 (formerly HESC4531), HESC3592 (formerly HESC4591), unless approval is granted by the program authority.

*Clinical Practicum A and Clinical Practicum B are usually completed in consecutive semesters, but this may be varied with approval from the program and course authority. Approval may be dependent on availability of elective courses, exchange opportunities or clinical placements.*

### Course Description

200 hours of clinical practical experience will be completed within the university's Lifestyle Clinic, in the University Clinical Schools, in other hospitals, private practices, rehabilitation clinics, fitness centres or other suitable settings. This is done under the supervision of an accredited exercise physiologist or other suitably qualified health professionals. These practicum hours are a requirement of the accrediting professional body. The assessment component of the course is attributed 6 UoC in the program. Performance is monitored through workplace integrated assessments, a supervisor's report and a reflective log. The student will maintain records of their activities using a web-based logbook that will be checked by the clinical supervisor, the practicum coordinator and the course academic staff. Patient groups encountered during these placements will include apparently healthy populations as well as those with chronic disease (i.e. cardiopulmonary and metabolic, musculoskeletal and neuromuscular/neurological conditions). It is a professional requirement that a minimum number of hours are completed for each of the aforementioned categories of conditions. The web-based logbook will provide the necessary monitoring of these hours across both clinical practicum courses.

### Aims of the Course

1. To provide an opportunity to consolidate and extend *clinical skills* through supervised placements in the workplace.
2. To enable development of a *breadth* of clinical skills through working with a wide *variety of clinical populations* and in *different workplaces*, encompassing clinics and hospitals.
3. To develop an understanding of *professional practice* requirements in an industry environment.
4. To provide students with opportunities to extend *communication* skills with clients and other allied health and medical professionals.
5. To allow students to explore areas of *professional interest* to assist in guiding future career paths.
6. To meet the *professional registration requirements* of Exercise and Sports Science Australia (ESSA, <http://www.essa.org.au>) for registration as an accredited exercise physiologist (AEP).

### Student Learning Outcomes

This term is used to describe what it is that you should be able to do, explain or understand if you have learned effectively in the course. The assessment in the course will be matched as closely as possible to the stated learning outcomes. That is, the assessment will test how well you have achieved the learning outcomes of the course. The general learning outcomes for the course are as follows:

#### At the end of the course you should be able to:

- Independently assess lifestyle behaviours and functional capacity, and perform health-risk appraisal and exercise tests, for apparently-healthy and chronically-ill people
- Prescribe physical activity and exercise programs to maintain and promote good health for apparently-healthy and chronically-ill people

- Implement motivational and exercise-counselling strategies to facilitate behaviour change and enhance self-management
- Communicate effectively with patients from diverse backgrounds, your clinical supervisor and other health professionals working in a multi-disciplinary team
- Educate clients on the benefits of physical activity for prevention and management of disease, injury and disability

### **Graduate Capabilities**

- Deliver lifestyle change programs that use exercise for the primary prevention of disease and the management of chronic disease
- Apply clinical skills and knowledge relevant to cardiopulmonary, metabolic, musculoskeletal and neuromuscular rehabilitation
- Engage in independent and reflective learning for the betterment of professional clinical practice, following an evidence-based approach
- Communicate effectively with patients, colleagues and other health professionals

### **Rationale for the inclusion of content and teaching approach**

**How the course relates to the Exercise Physiology profession** – The clinical practicum courses are the final stage of clinical training in the Exercise Physiology program. Clinical placements under the supervision of accredited exercise physiologists, or other appropriately qualified health professionals, allow you to consolidate and extend your clinical skills and to meet professional registration requirements.

**How the course relates to other courses in the Exercise Physiology program** – In this course you will directly apply knowledge and skills developed throughout the program, in particular from the courses: Exercise Programs and Behaviour (HESC1511), Physical Activity and Health (HESC3504), Clinical Exercise Physiology (HESC3541), Movement Rehabilitation (HESC3532) and Neuromuscular (Rehabilitation).

### **Teaching strategies**

Learning in this course is structured around participation in the clinical environment and interactions with a clinical supervisor. Clinical placements are completed within the UNSW Medicine Lifestyle Clinic and Clinical Schools in hospitals, as well as other hospitals and private practices. Supervisors will provide instructions and feedback to guide your learning as you progress from observing or shadowing in the clinical environment to working with patients directly. It is important to be proactive and show initiative in seeking opportunities to learn in workplace settings. If you are unsure of expectations, talk with your supervisor in the first instance and, if required, the practicum coordinator and the course academic staff.

**Independent Study and Engagement in the Clinical Setting** – To learn and perform effectively in clinical placements it will be necessary to dedicate time outside of placement hours to reflect on and make notes regarding clinical activities. The attendance record and case study components of the course assessment are designed to support this activity. It may also be necessary to consult scientific journal articles, textbooks or notes from earlier courses to ensure that you are sufficiently abreast of the clinical conditions of clients you are seeing and to inform best practice approaches to individualised assessment and exercise prescription. Discussing these with your supervisor, and seeking feedback on other considerations in their clinical approach, can be a useful learning exercise. Your learning in this course is contingent on your efforts to prepare for and participate in the clinical environment.

### **Required Practicum Hours**

Clinical practicum is a major component of the Exercise Physiology program with 100 hours completed across stages 1 to 3 (as an element of course work or through special program clinical hours) and 400 hours in dedicated courses in stage 4. Students are required to complete a *minimum of 200 hours of practical experience* for both clinical practicum A (HESC4611) and B (HESC4622), totalling 400 hours in stage 4 and 500 hours across the program. Students should be in attendance at clinical placements for the entire 200 hours for each course. Time to prepare at home is not counted toward practicum hours for this course.

It is a requirement for professional registration that  $\geq 500$  hours of practicum in total are completed.

This must include:

- $\geq 140$  hours in exercise delivery for apparently healthy clients
- $\geq 140$  hours in exercise delivery for clients with metabolic / cardiopulmonary conditions
- $\geq 140$  hours in exercise delivery for clients with neuromuscular / musculoskeletal conditions
- $\geq 80$  hours in area(s) of clinical practice of the student's choosing ( in any clinical area including oncology and mental health, not apparently healthy populations) to reach a minimum of 360 hours of experience with clinical populations

Note: in accord with ESSA stipulations, **up to 80 hours of supervised clinical practice may include other health delivery apart from clinical exercise services.** These may be included in addition, or as an alternative, to the previous arrangement of 80 hours that can be used across any of the clinical areas of practice. Examples include cardiac investigations, pulmonary function testing.

*To support this requirement, the EPPrac Placement System for allocating and monitoring placements is designed to record and tally hours for these different categories of conditions and to indicate the different categories of conditions that may be encountered at a given placement. Often, more than a single one of these categories will be encountered in a given placement. In fact, it is commonplace for more than a single one of these categories to be encountered in individual patients with chronic disease. Obviously, it is not permissible to log practicum hours in duplicate, but how you elect to categorise a given case with multiple diseases does present a degree of flexibility to meet professional requirements.*

Note: the typical breakdown of the 100 hours of practicum completed across stages 1 to 3 of the program is 60 hours in exercise delivery for apparently healthy clients and 40 hours focussed on chronically-ill clients.

### Structure of Placements

The 400 hours completed across HESC4611 (Clinical Practicum A) and HESC4622 (Clinical Practicum B), involve four separate placements (two placements for each course) of approximately 100 hours. Each student will complete at least one of these placements (rotations) in the UNSW Medicine Lifestyle Clinic. To accommodate student timetables, as well as the availability of clinical supervisors, placements have a flexible structure whereby the 100 hours may be completed in, for example, a full-time block of 2 – 3 weeks or 1 day per week for 14 weeks or 2 half days each week for 14 weeks or 2 days per week for 7 weeks or some other combination that is suitable for the supervisor.

*A number of clinical placements are restricted to certain dates and attendance patterns. It is critical for students to consider these requirements when submitting placement preferences.*

Placements may be completed within a window of about 21 weeks for semester 1 and semester 2, and approximately 12 weeks for summer session. This provides adequate time to complete two clinical placements amidst the concomitant demands of the 12 week teaching semester.

Some useful strategies to schedule placements around contact hours for other courses include:

- Commencing placements prior to the start of the teaching period
- Completing *general education* courses or *other electives* (e.g. research projects) in the summer session to minimise study loads when completing clinical placements in semester 1 or 2
- Completing a *clinical practicum* course over summer session (please contact the practicum coordinator or the course convenor about this in advance)
- Selecting elective courses that are available in external (distance) mode (e.g. PHCM9041 or PHCM9012)

### Supervisor Qualifications

In keeping with the requirements of the professional body, Exercise and Sports Science Australia (ESSA), students will be supervised by a suitably qualified and experienced allied health professional, who is:

- an AEP (accredited exercise physiologist), or
- an exercise professional with or capable of attaining, full membership of ESSA, or

- a university-trained allied health professional with experience in exercise delivery
- a fitness trainer who has a cert III and IV and has a significant (ie.10 years) experience in the fitness industry, working with apparently healthy populations.

In some novel placement settings (e.g. mental health) in which the clinical service staff do not precisely meet the above criteria (e.g. university-trained health professionals, but with limited exercise experience) appropriately qualified program staff will provide supplementary supervision through regular liaison with the clinical service staff and the student.

Note: in accord with ESSA stipulations, the **maximum ratio of clinical practicum supervisor: student is to be 1:5** respectively, with the proviso that some of the placement includes 1:1 supervision.

### Student and Supervisor Expectations

Practicum placements should be a positive experience for both students and employers. At the completion of this practicum program, students should feel confident that they have gained a solid understanding of, and an above average competence in, their clinical skills. Employers gain benefit through providing staff members with teaching and mentoring experience, establishing on-going education and research links with the University and through trialing a potential employee.

### Supervisor Expectations

It is expected that practicum placement supervisors:

- Have read the information manual for practicum supervisors and will be familiar with the specific objectives, structure and assessment of UNSW Exercise Physiology practicum placements.
- Develop and structure a practicum placement which provides the student with the opportunities to meet as many of the identified objectives as possible.
- Provide the student with an orientation to their business/unit, clarify their expectations of the student, and provide a structure or outline for the placement upon commencement (in writing or verbally)
- Monitor student attendance and completion of required hours by reviewing and verifying the online student attendance record or a print out of a completed record that is provided by the student
  - Supervisors who are UNSW staff or UNSW conjoint staff have access to the EPPrac Placement System to review and verify attendance records online
  - Other supervisors will need to be presented with a printed copy of the completed student attendance record, which they will sign and then the student will promptly send to the practicum coordinator
- Monitor student performance and involvement and provide on-going feedback.
- Potentially provide guidance and direction for the case study and provide opportunity for the student to obtain experience in presenting in a professional setting.
- Complete the supervisor's practicum assessment report at or near the conclusion of the placement, and discuss feedback directly with the student.
  - This form can be completed online by all supervisors. Details of this procedure are emailed to each supervisor by the practicum coordinator once the draft attendance record shows about 80 – 90 hours have been completed at a placement.

### Student Expectations

The section above on *Teaching Strategies and Suggested Approaches to Learning* outlined the approach that is expected of students in engaging in the clinical placement to maximise learning. Other aspects of professional behaviour that are required and assessed in this course include punctuality, presentation, courtesy and professional communication.

You should be mindful of these requirements from the very first time that you contact your assigned clinical supervisor. You are also expected to adhere to all policies and procedures required in the placement workplace.

***Failure to meet these basic expectations may result in termination of a placement or failure of the course. If a placement is terminated, an appointment must be made promptly with the practicum coordinator and the course convenor. The possible outcomes include: re-allocation to an alternative placement, being un-enrolled from the course or failing the course.***

**Uniforms** – Ensure you wear the UNSW Exercise Physiology practicum uniform at all times during your placement, unless the clinic service in which you are placed has an alternative requirement. Contact the program officer if you need to purchase a new uniform.

**Organising placements** – To maximise the quality, safety and integrity of the clinical experience, it is imperative that placements are arranged and monitored through formal processes arranged by the practicum coordinator and the convenor of the practicum course. **DO NOT contact placement supervisors independently.** All placements are arranged by the ***practicum coordinator***. **Students should not contact placement supervisors until they have been allocated a placement and are directed to contact the supervisor.** Placement allocation is managed online through the *EPPrac Placement System*.

### **Submission of preferences for practicum placements and arranging attendance patterns**

Placement allocation and monitoring is coordinated online via the *EPPrac Placement System*:

<http://epprac.med.unsw.edu.au>

Refer to the “Clinical Practicum” section of the program website to retrieve instructions on using the EPPrac Placement System.

<http://exphysprogram.med.unsw.edu.au>

The EPPrac system enables you to submit your clinical placement requests online. We will consider the personal preferences of students in their allocation to clinical placements. We make every effort to secure you a placement from your top 5 preferences; however, owing to resource limitations, students may not receive their top preferences.

To access the EPPrac system it is essential that you have first enrolled in a clinical practicum course (i.e. HESC4611 or HESC4622). **You must enrol in a clinical practicum course by the specified date in order to be put on the EPPrac system.** The Program Officer and Practicum Coordinator will distribute regular email reminders of the deadline for enrolment. These emails will be sent to all students in or entering stage 4 of the Bachelor of Exercise Physiology (3871). *Late enrolments will not be permitted.*

**Placement preferences must also be submitted by the specified placement preference deadline for the session.** Students who do not submit a preference by this time will be allocated to whatever placements are left for their term or will be un-enrolled from the practicum course. Reminders of the due dates for placement submissions will be sent to your student email accounts.

*It is essential that the specified deadlines for course enrolment and preference submission are strictly adhered to so that practicum placements are allocated in a timely and organised fashion for the benefit of students and supervisors.* Deadlines for preference submission are scheduled well in advance of the teaching period start date in order to maximise the time available for completing clinical placements.

Placement allocations are made in the week following the deadline for submission of preferences. You will receive an email from the EPPrac Placement System once you have been allocated a placement. You will be allocated to 2 placements for each of HESC4611 and HESC4622 (i.e. 4 in total).

### **Take careful note of the details for each placement when submitting placement preferences.**

The location of the clinical service is shown on a map, the categories of clinical conditions, supervisor qualifications and any requirements on attendance structures are all clearly noted for each placement. The EPPrac system also includes the facility for you to enter information about your dates of availability and considerations. **Your attention to these details is critical for satisfactory allocation of placements.**

#### Some useful details to consider and communicate regarding availability for placements are:

- Will you be available to commence a placement prior to the beginning of the teaching period?
- Are you available at any time to complete a block (full time) placement? When?
- What days and times of the week (e.g. Wednesday AM, Friday PM) will you be available during the teaching period and outside of the teaching period?
- How long will it take to travel to the clinical placement?
- Do any key meetings for a given placement (e.g. Strength Clinic meetings at the Lifestyle Clinic) clash with your course contact hours?

### **What to do once you have been allocated a placement**

Contact your Clinical Supervisor immediately to confirm the placement and to determine the dates and times to attend the clinical service. If you do not contact the clinical supervisor or service promptly they may cancel your placement and you may not be able to meet the attendance requirements for the course. Email is probably the best means of initial contact, though a phone call may be worthwhile to follow up if you have not received a reply after several days.

Supervisors will have been advised of your name and the general times of the placements. Your placement will commence on or after the specified commencement date for the session – possibly some weeks after. You **MUST** contact them in advance to confirm your placement and to check placement hours and any placement requirements. Many supervisors want to have a planning session before you start – either by phone or in person.

It will be important to plan a pattern of attendance to complete  $\geq 100$  hours at each assigned placement. Take note of the supervisor or clinical services' preferences for placement structure and be absolutely cooperative in any planning of attendance. Some supervisors wish to discuss areas of interest with a student to be sure of positive engagement in the clinical experience.

Contact the practicum coordinator immediately ([exphys.prac@unsw.edu.au](mailto:exphys.prac@unsw.edu.au)) if there are any problems in affirming the placement and planning a pattern of attendance. *If you delay resolving placement allocations then it may not be feasible to find an alternative placement in sufficient time to be able to meet the course requirements.*

### **What to do in the week before your placement begins**

Email or call the clinical service to confirm your arrival date and time. Send a brief CV to them (1 to 2 pages, email, fax or post) and be sure to include information about your previous experience and background (i.e. elective courses you have done, placements you have completed previously). This helps your supervisor in understanding your current level of knowledge and skills.

*Your execution of these tasks will influence the supervisor's assessment of your skills in professional communication.*

## Preparation for placements at the UNSW Medicine Lifestyle Clinic

The Lifestyle Clinic provides about 25% of placements for the stage 4 clinical practicum and has certain requirements for induction and rosters. The practicum coordinator is the key contact for these processes. Placement at the clinic commences with an induction requiring about 4x 2hr sessions over 2 - 4 weeks, which are completed before any independent work with patients. These induction sessions should be logged as part of placement hours. Students will be expected to complete 100 hours at the clinic by doing at least 2 shifts per week ranging from 3 to 4 hours. You must be available for these induction sessions to commence a placement at the Lifestyle Clinic. The Lifestyle Clinic runs several different programs and you should be sure to seek involvement across these. Some students will be invited to complete a second placement at the Lifestyle Clinic, which may involve a mentoring role for newly commencing placement students.

**Assessments** – These tasks have been chosen as tools to enhance and guide your learning as well as a way of measuring performance, and are therefore a central teaching strategy in this course.

## Assessment

### Summary of Assessments

*ASSESSMENT TASK 1 – LOG OF CLINICAL HOURS*

*ASSESSMENT TASK 2 – SUPERVISOR REPORTS*

*ASSESSMENT TASK 3 – PLACEMENT EVALUATIONS (4611 & 4622), REFLECTION ON THE PLACEMENT EXPERIENCE AND PROFESSIONAL DEVELOPMENT (4611 only) AND CURRICULUM VITAE AND JOB APPLICATION (4622 only)*

*ASSESSMENT TASK 4 – OBJECTIVE STRUCTURED CLINICAL EXAM (OSCE)*

### Assessment Task 1 – LOG OF CLINICAL HOURS

Students are required to record their hours of attendance at the placement in an online record sheet using the EPPrac system once a placement is allocated and commenced. Regularly update and save this record as a draft until you have completed the allocated hours (i.e. ~100 hours) for a placement, at which point you should "Submit" the attendance record. Your clinical supervisor will be sent a notification email that your submission record is complete and they will either be able to inspect and verify this record online or they will need to sign a hardcopy, which you must subsequently deliver to the practicum coordinator. You will be notified in advance if your supervisor needs to view a hard or softcopy of your attendance record. These record sheets are evidence of attendance and completion of required hours across the clinical practicum courses. The cumulative hours are reported in total and also as sub-totals for different categories of clinical conditions.

Instructions for completing the attendance record are available from the current students webpage and on the Blackboard site for this course. You should record the date and duration of contact, a case description and a brief description of services, as indicated in the example below. You **MUST NOT** provide any personal or identifying information for any client here. Clients' rights to privacy and confidentiality must be protected at all times.

Date	Hours	Case description (keywords)	Description of services (keywords)
Example			
1/8/06	2.5 hrs	35 yr overweight female, smoker (15 pack-years) with borderline hypertension and positive family history for cardiovascular disease.	Exercise and physical activity: current and history, screen for risk factors, goals, opportunities and barriers for exercise, functional assessment, motivational interviewing.

It is important that you enter details into this log from the early stages of your placement (and save as a draft) and then submit the record at the end of your placement. The hours you enter in draft attendance records

allow the practicum coordinator to monitor the commencement and progress of your placement. You should complete a separate attendance record for each placement.

### Assessment Task 2 – SUPERVISOR REPORTS

Your clinical supervisors will also submit their evaluation of your performance through the EPPrac system in the latter stages of your placement. You will not receive a copy of this evaluation directly, but supervisors are encouraged to discuss performance with students in advance of submitting their reports. The practicum coordinator and the academic staff will review these reports and will contact students to discuss any unsatisfactory elements.

*Marking criteria applied in the supervisor's report for each of the competencies listed below*

<p><b>N/A</b> Not applicable Student did not have the opportunity to demonstrate knowledge or competency.</p>	<p><b>Unsatisfactory</b> Un-satisfactory competency Inconsistently meets objectives Requires frequent prompting Inconsistently effective Demonstrates little responsibility or independence</p>
<p><b>Satisfactory</b> Satisfactory competency Meets objectives Requires some prompting Generally effective Demonstrates some responsibility, independence and initiative</p>	<p><b>High Level</b> High level competency Consistently meets objectives Requires little prompting Consistently effective Demonstrates initiative, responsibility and independence.</p>

### Professionalism

#### 1. Presentation

Demonstrate a professional level of dress, personal presentation and language appropriate to the setting.

#### 2. Attendance

Demonstrate consistent and reliable attendance and punctuality. Advise supervisor with sufficient notice if they are late, unwell or unable to attend.

#### 3. Commitment to Learning

Demonstrate a commitment to learning as evidenced by: a positive response to feedback, acted on the feedback, asked questions and sort clarification when appropriate and sought new knowledge.

#### 4. Operational procedures

Develop an understanding of organisational structure and specific industry operations and procedures eg. Public/private hospital system, NSW Workers Compensation system, private business, sporting associations/teams.

#### 5. Legal and ethical competency

Develop and demonstrate an understanding of legal and ethical requirements in relation to client privacy, confidentiality and insurance cover.

#### 6. Administrative and business skills

Develop and display knowledge of basic administration and management skills including planning, decision making, marketing and budgetary skills.

#### 7. Risk Management and emergency procedures

Demonstrate knowledge and understanding of appropriate occupational health and safety procedures including emergency procedures to ensure client, staff and own safety.

#### 8. Personal organisation

Demonstrate the ability to organise and prioritise tasks and workload effectively.

### Communication

#### 1. Supervisor/Staff communication

Demonstrate the ability to effectively communicate with the supervisor and other associated medical and health professionals. e.g. asking questions, actively listening, seeking clarification when appropriate.

#### 2. Client rapport

Demonstrate the ability to develop rapport and effectively communicate with a range of clientele including those who are adverse to change or participation.

### **3. Client Focus**

Demonstrate an ability to maintain good client focus throughout the session, without distraction.

### **4. Client education**

Demonstrate the ability to effectively educate and explain concepts to clients

### **5. Client active involvement**

Demonstrate the ability to actively involve clients in discussions and decisions about health and behaviour change.

### **6. Counselling skills**

Demonstrate the ability to implement motivational and counselling techniques and strategies.

### **7. Group communication**

Develop and demonstrate an understanding of communication skills and techniques used in group-based settings.

### **8. Reporting skills**

Develop an understanding of reporting and communication procedures related to client assessment and programming.

## **Clinical skills**

### **Health Risk Appraisal and Fitness Testing**

#### **1. Health risk screening**

Demonstrate the ability to perform health risk screening, select appropriate assessments on the basis of risk appraisal, understand when external referral is required.

#### **2. Pre-Screening Interview**

Demonstrate an ability to interview a client to compile a relevant medical history, physical activity history, family history, medical treatment and medications.

#### **3. Conduct assessments**

Demonstrate knowledge of and competently perform relevant assessment procedures (including physical fitness, functional capacity, health-related measures, psychological) specific to the setting and population dealt with.

#### **4. Interpret assessment results**

Develop competency in interpreting assessment results in relation to normative findings and prioritise areas of focus for programming.

#### **5. Communicate assessment results**

Communicate assessment findings competently to the client and other health and medical professionals with appropriate language.

### **Exercise Programming and Prescription**

#### **1. Exercise contra-indications**

Demonstrate an awareness of the precautions and contra-indications for exercise prescription within the specific setting and populations dealt with. Prescribe safe and appropriate exercises.

#### **2. Exercise prescription design**

Demonstrates competency in designing exercise prescriptions utilising the principles of frequency, intensity, mode, duration, specificity and progressive overload which addresses the identified needs of the individual within the specific setting/population.

#### **3. Exercise program delivery**

Demonstrates and explains correct technique to clients.

Communicates accurate information regarding exercise and provides appropriate direction for goal setting. Demonstrates knowledge of a range of exercises applicable in a variety of setting eg. home-based, gymnasium, workplace, sporting field.

#### **4. Exercise program evaluation**

Demonstrates ability to seek subjective and objective feedback from client relating to program effectiveness and satisfaction.

### **Supervisors are also prompted to provide additional feedback or comments on your performance:**

- Feedback or comments on the case study presentation (content, appropriateness of exercise prescription, presentation, audience interaction)
- Comment on at least 2 strengths that the student has demonstrated during the practicum placement.
- Comment on at least 2 areas for improvement/professional development and suggested strategies to address.
- Additional comments

**Assessment Task 3** – PLACEMENT EVALUATIONS (4611 & 4622), REFLECTION ON THE PLACEMENT EXPERIENCE AND PROFESSIONAL DEVELOPMENT (4611 only) AND CURRICULUM VITAE AND JOB APPLICATION (4622 ONLY)

**This assessment item has 2 components. The first is common to both HESC4611 and HESC4622** and requires that you submit an evaluation of your experiences of each clinical placement. This evaluation is submitted through the EPPrac system. You will be prompted by email towards the end of the teaching session to submit an evaluation of the clinical placement experience through the EPPrac placement system.

**The second component of assessment task 3** is submitted at a similar time to the evaluation completed via EPPrac, but is instead uploaded to the course Blackboard site. **The specific task differs between HESC4611 and HESC4622.** You will be sent several email reminders to complete this task towards the end of the course.

**For Clinical Practicum A (HESC4611) you will** be required to write a brief reflection on your practicum training and your experiences at each clinical placement. The purpose of this is to prompt you to reflect on your learning during the placement, to identify where your strengths are and to identify aspects of clinical competency where you think you can improve most. This document should be approximately 1 to 2 pages in length. You will be sent several email reminders to complete this task towards the end of the course. In addition to helping you plan your practicum preferences for Clinical Practicum B, this document will also assist the practicum coordinator and the course convenor in allocating clinical placements,

**At the completion of your second practicum unit (Clinical Practicum B HESC 4622)** you are to submit an up to date version of your curriculum vitae and address a specific job selection criteria for employment as an exercise physiologist. This CV will include both a summary of your clinical skills and a brief description of the practicum placements you completed throughout the course. This document will provide another opportunity to reflect on your clinical training and also to document the skills learnt on practicum in the workplace. Your CV should include the following headings and subheadings:

- Personnel Details – contact details
- Academic Qualifications – Bachelor of ExPhys, plus other qualifications, AEP
- Experience: List your 4 clinical practicum placements, detailing your supervisor and the duties you conducted at this practicum.
- Conference, Workshops, Professional Development – list any workshops or professional development opportunities you attended.
- Association Memberships - ESSA

**The EP job selection criteria will be available on blackboard. Ensure you incorporate your skills acquired on practicum and how these skills could be utilised to successfully do the job you are applying for.**

**Assessment Task 4** – OBJECTIVE STRUCTURED CLINICAL EXAM (HESC 4622)

At the completion of HESC 4622, you will participate in an objective structure clinical examination (OSCE). An OSCE is designed and administered to assess your exercise physiology clinical competence. The OSCE will be assessed by UNSW teaching staff and clinical supervisors. Students will be required to demonstrate and apply clinical, professional, communication and practical skills appropriate for exercise physiology practice. During the OSCE, you will be observed and evaluated as you move through a series of 12 stations (5 minutes per station) where you will:

- interview clients and demonstrate communication skills,
- assess, measure and interpret aspects of health and fitness testing
- design exercise program based on case history
- deliver exercise to a patient, based on their clinical diagnosis.

### **Grading Scheme**

*Performance in this course is graded as Satisfactory or Unsatisfactory*, the emphasis being on whether or not a student is competent as a clinician. Outstanding performance in this course is recognised through an official university prize for the best performance by a student in the year 4 clinical practicum in the Exercise Physiology program. Be mindful that clinical supervisors and their co-workers will be your future professional colleagues.

**Penalties for late submission of assignments** – If you do not submit your case study report or verified attendance records by the due dates you may fail this course.

## **Academic honesty and plagiarism**

Plagiarism is using the words or ideas of others and presenting them as your own. Plagiarism is a type of intellectual theft and is regarded by the university as academic misconduct. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. The University has adopted an educative approach to plagiarism and has developed a range of resources to support students. The Learning Centre can provide further information via <http://www.lc.unsw.edu/plagiarism>.

## **Course Schedule**

Key Dates for Summer 2010-2011 Clinical Practicum:

- Enrolment deadline - November 4th, 2010
- Preference submissions open - November 4th, 2010
- Preference submission Deadline – November 8th, 2010
- Student Notification of allocated placements – November 10th, 2010
- Summer placements commence from November 17th, 2010
- Summer placements conclude by February 11th, 2011
- Summer supervisor's reports will be required by no later than February 13th, 2011
- Summer student reports should be submitted by January 28th, 2011
- Summer due date for feedback on clinical placements - February 5th, 2011
- Summer final due date for verified attendance records / clinical logs - February 11th, 2011
- Summer Objective Structured Clinical Examination (OSCE) - February 8 or 9, 2011 (HESC4622 only)

Key Dates for Semester 1 2011 Clinical Practicum:

- Enrolment deadline - January 5<sup>th</sup>, 2011
- Preference submissions open – January 4<sup>th</sup>, 2011
- Preference submission Deadline – January 17<sup>th</sup>, 2011
- Student Notification of allocated placements – January 28<sup>th</sup>, 2011
- Semester 1 placements commence from February 12<sup>th</sup> 2011
- Semester 1 placements conclude by June 27<sup>th</sup>, 2011
- Semester 1 supervisor's reports will be required by no later than 30th June
- Semester 1 student reports should be submitted by June 3<sup>rd</sup>, 2011
- Semester 1 due date for feedback on clinical placements - June 24<sup>th</sup>, 2011
- Semester 1 final due date for verified attendance records / clinical logs - June 28<sup>th</sup>, 2011
- Semester 1 Objective Structured Clinical Examination (OSCE) - June 22nd or 23rd, 2011 (HESC4622 only)

Key Dates for Semester 2 2011 Clinical Practicum:

- Enrolment deadline - June 4<sup>th</sup>, 2011
- Preference submissions open - June 3<sup>rd</sup>, 2011
- Preference submission Deadline – June 10<sup>th</sup>, 2011
- Student Notification of allocated placements – June 21<sup>st</sup>, 2011
- Semester 2 placements commence from June 28<sup>th</sup>, 2011
- Semester 2 placements conclude by November 15<sup>th</sup>, 2011
- Semester 2 supervisor's reports will be required by no later than November 17<sup>th</sup>, 2011
- Semester 2 student reports should be submitted by October 21<sup>st</sup>, 2011
- Semester 2 due date for feedback on clinical placements - November 11<sup>th</sup>, 2011
- Semester 2 final due date for verified attendance records / clinical logs - November 15<sup>th</sup>, 2011
- Semester 2 Objective Structured Clinical Examination (OSCE) - November 9 or 10, 2011 (HESC4622 only)

## Resources for students

### Blackboard

Information about the course and a number of electronic study resources can be accessed via the UNSW Blackboard system. Blackboard is an internet-based set of Course Tools designed to enable online learning. You can access the system from the following site:

<http://lms-blackboard.telt.unsw.edu.au/webapps/portal/frameset.jsp>

You can use Blackboard to download lecture notes, access your grades, find reference material in the course (such as this document), and communicate with the lecturer and your peers. Please see the lecturer if you would like more information to help you to make the most of this resource.

### Lectopia

The Lectopia system (iLecture) provides digital audio recordings of lectures that can be accessed via streaming media over the web or as a podcast (if permitted by the lecturer). Lecture slides may be embedded in these presentations. <http://telt.unsw.edu.au/lectopia/content/default.cfm?ss=1>

### UNSW Library

The University Library provides a range of services to assist students in understanding how to identify what information is required for assignments and projects; how to find the right information to support academic activities; and how to use the right information most effectively.

<http://www.library.unsw.edu.au>

### Reserve (MyCourse)

Many items (books and journal articles) set as recommended reading for courses will be located in Reserve, which is on Level 2 of the Main Library. Some of the journal articles will be available in electronic format via MyCourse. To search for these items, go to the library website catalogue and search for the course code.

### Suggested Reference Textbooks

- American College of Sports Medicine (2006). *ACSM's Guidelines for Exercise Testing and Prescription*. Philadelphia: Lippincott Williams and Wilkins, 7th ed.
- American College of Sports Medicine (2009). *ACSM's resource manual for Guidelines for exercise testing and prescription*. Philadelphia : Lippincott Williams & Wilkins, 6<sup>th</sup> ed.
- Jonathan N. Myers, William Herbert, Reed Humphrey ed. (2009). *ACSM's resources for clinical exercise physiology: musculoskeletal, neuromuscular, neoplastic, immunologic, and hematologic conditions*. Philadelphia: Lippincott Williams & Wilkins, 2<sup>nd</sup> ed.
- Griffin, J.C. (1998). *Client-centred Exercise Prescription*. Champaign, Illinois: Human Kinetics.
- LeMura L.M. and von Duvillard S.P. (2004). *Clinical Exercise Physiology: Application and Physiological Principles*. Philadelphia: Lippincott Williams and Wilkins.
- Ehrman J.K., Gordon P.M., Visich P.S. and Keteyian S.J. (2003). *Clinical Exercise Physiology*. Champaign, Illinois: Human Kinetics.
- Voight, ML. (2006). *Musculoskeletal interventions: techniques for therapeutic exercise*. McGraw-Hill Medical.
- McGill, S (2007). *Low back disorders*. Champaign, Illinois: Human Kinetics, 2<sup>nd</sup> ed.
- Richardson, CA et al. (2004). *Therapeutic exercise for lumbopelvic stabilization: A motor control approach for the treatment and prevention of low back pain*. Churchill Livingstone, 2<sup>nd</sup> ed.
- Darcy Umphred, Connie Carlson ed. (2006). *Neurorehabilitation for the physical therapist assistant*. Thorofare, NJ: SLACK.

### Suggested Reference Journal Articles

- Sharman JE, Stowasser M (2009) Australian association for exercise and sports science position statement on exercise and hypertension. *J Sci Med Sport* 12: 252-257

- Hayes SC, Spence RR, Galvao DA, Newton RU (2009) Australian Association for Exercise and Sport Science position stand: optimising cancer outcomes through exercise. *J Sci Med Sport* 12: 428-434
- Norton K, Norton L, Sadgrove D (2009) Position statement on physical activity and exercise intensity terminology. *J Sci Med Sport*
- Selig SE, Levinger I, Williams AD, Smart N, Holland DJ, Maiorana A, Green DJ, Hare DL Exercise & Sports Science Australia Position Statement on exercise training and chronic heart failure. *J Sci Med Sport* 13: 288-294

### **Suggested Reference Journals**

- Journal of Science and Medicine in Sport
- Medicine and Science in Sports and Exercise
- Exercise and Sports Sciences Reviews
- Journal of Exercise Physiology
- Cochrane Reviews

### **Course evaluation and development**

Significant changes have been made to the practicum as part of the broader program revision. The required hours of placement were expanded to meet the requirements for professional accreditation. Additional clinical supervisors were recruited and relationships between clinical supervisors and the university are progressively strengthening. The EPPrac Placement System was developed to simplify and improve the allocation of practicum placements according to student preferences as well as to provide a reliable system for recording completed placement hours and to collect supervisor's reports and gain student feedback on placements. UNSW is also currently developing a training module to improve the workplace teaching skills of clinical supervisors.

Student feedback is welcome and taken seriously. The course assessment items generate feedback from clinical supervisors and students regarding the quality of experiences at particular placements. Additional feedback from students may be solicited through a Course and Teaching Evaluation and Improvement (CATEI) survey in the latter stages of the course or with surveys conducted through Blackboard.

### **Occupational Health and Safety**

Class activities must comply with the NSW Occupational Health & Safety Act 2000 and the Occupational Health & Safety (OHS) Regulations 2001. It is expected that students will conduct themselves in an appropriate and responsible manner in order not to breach OHS regulations. Further information on relevant OHS policies and expectations is outlined at: [http://www.hr.unsw.edu.au/ohswc/ohs/ohs\\_policies.html](http://www.hr.unsw.edu.au/ohswc/ohs/ohs_policies.html)

All placements must comply with the NSW Occupational Health & Safety Act 2000 and the Occupational Health & Safety Regulations 2001. It is expected that students will conduct themselves in an appropriate and responsible manner in order not to breach OHS regulations. Further information on relevant OHS policies and expectations is outlined at: [http://www.hr.unsw.edu.au/ohswc/ohs/ohs\\_policies.html](http://www.hr.unsw.edu.au/ohswc/ohs/ohs_policies.html)

Hazards that may exist in placement workplaces include physical hazards such as slips, trips and falls; mechanical or electrical hazards from using inappropriate or unsafe exercise or testing equipment; mechanical or electrical hazards from disrepair of buildings; manual handling injuries from moving equipment or demonstrating an exercise with inappropriate technique; contact with infectious diseases; physical or sexual harassment and bullying.

#### **UNSW Medicine Lifestyle Clinic**

The Lifestyle Clinic performs a thorough induction process for each separate program to ensure students have the required knowledge and understanding to complete placement within the clinic safely. Included in this induction are the location of fire exits, extinguishers, emergency phone numbers and procedures, locations of the first aid box, CPR chart and defibrillator. The Lifestyle Clinic also provides the students with an Emergency Procedures Manual that includes what to do in case of a fire, aggressive/hostile behaviour, cardiac arrest, spinal cord injury, seizures and fitting, hypoglycaemia, strains and sprains, stroke and hazardous waste procedures.

## NSW Health

NSW Health has strict OHS policies in place and is thorough in their management of students on placement. NSW Health requires students to comply with vaccination requirements and criminal record checks before commencing placement at a NSW Health facility. Supervisors and managers may ask you to produce your criminal record check or vaccination card at any time throughout your placement. A First Aid Certificate is not specifically required but is a requirement for the exercise physiology program and for subsequent professional registration. Supervisors are to ensure that students are inducted into their placement, with information on Policies and Procedures, Emergency Procedures, Injury Policy, Dangerous substances & Potential hazards in the workplace.

## Other placements

Other placements include private exercise physiology clinics, physiotherapy businesses, workers compensation businesses, aged care facilities, corporate health, and health and wellbeing establishments. These workplaces are sometimes small with specific clientele and may even encompass mobile services. These placements should comply at all times with the OHS policies required in normal practice and supervisors should ensure that all OHS matters are addressed as part of inducting students to a new placement. If for some reason such an induction does not occur automatically then you should ask the supervisor to do this. Specifically students should be aware of the workplace Policies and Procedures, Emergency Procedures, hazards and any potentially dangerous areas within the placement.

## **First aid certification, criminal record and prohibited person checks, immunisations**

Criminal record checks, prohibited persons declarations and immunisations are a requirement of many clinical placement providers and any such requirements should be met prior to the stage 3 clinical courses (and at the latest before the stage 4 clinical practicum). See the program guide for further details. The practicum coordinator will contact students by email regarding criminal record checks.

It is a requirement of the program that you complete a senior first aid certificate before commencing the stage 3 clinical courses (and at the latest before the stage 4 clinical practicum) and CPR certification must be maintained throughout the remainder of the program. Current first aid and CPR certification are mandatory for Accredited Exercise Physiologists. See details on the program website, under clinical practicum, for information on available first aid courses.

## **Insurance Cover**

UNSW students undertaking practical placements, as a component of their degree program, are covered by the University's insurance policy for public liability, professional indemnity and personal accident. The University has liability insurance in excess of \$10 million for any one claim in the event of such an occurrence. The employer hosting the placement will be provided with a Letter of Indemnity issued by the Practicum Coordinator prior to commencement of the placement confirming insurance coverage. The university, employers and students should undertake all reasonable measures to ensure the safety of students, employers and the general public is maintained at all times. In the situation that such an event occurs, the Practicum Coordinator or Program Authority should be immediately informed.

## **Attendance requirements**

No attendance of classes if required for the clinical practicum course.

## **Applications for Special Consideration for Missed Assessments**

The following policy applies if you fail to submit your case study report or verified attendance records by the due dates. **Please note the following Statement regarding Special Consideration.**

*If you believe that your performance in a course, either during session or in an examination, has been adversely affected by sickness, misadventure, or other circumstances beyond your control, you should notify the Registrar and ask for special consideration in the determination of your results. Such requests should be made as soon as practicable after the problem occurs. **Applications made more than three working days after an examination in a course will only be considered in exceptional circumstances.***

*When submitting a request for special consideration you should provide all possible supporting evidence (eg medical certificates) together with your student number and enrolment details. Consideration request forms are available from Student Central in the Chancellery or can be downloaded from the web page linked below.*

Note that normally, if you miss an exam (without medical reasons) you will be given an absent fail. If you arrive late for an exam no time extension will be granted. It is your responsibility to check timetables and ensure that you arrive on time.

Students who apply for consideration to Student Central must also contact the course convenor immediately.

All applications for Special Consideration will be processed in accordance with UNSW policy (see: <http://my.unsw.edu.au/student/atoz/SpecialConsideration.html>). If you miss an assessment and have applied for Special Consideration, this will be taken into account when your final grade is determined. You should note that marks derived from completed assessment tasks may be used as the primary basis for determining an overall mark. Where appropriate, supplementary examination may be offered, but only when warranted by the circumstances.

### **Student equity and diversity issues**

Students requiring assistance are encouraged to discuss their needs with the course convenor prior to, or at the commencement of the course, or with the Equity Officer (Disability) in the Equity and Diversity Unit (EADU) (9385 4734). Further information for students with disabilities is available at <http://www.studentequity.unsw.edu.au/disabil.html>