



تقرير عن برنامج دراسي
للعام الأكاديمي: ٢٠١٣ - ٢٠١٤

جامعة: بنها

كلية: الطب

أ - معلومات أساسية

Master of Forensic medicine & Clinical toxicology	١- اسم البرنامج:
Forensic medicine & Clinical toxicology	٢- التخصص:
Two years (4 Semesters)	٣- عدد السنوات الدراسية:
Total hours of program = 36 credit hours - Theoretical ===== 18 credit hours - Practical & clinical == 8 credit hours - University requirements: 6 credit hours - Thesis =====: 4 credit hours ١٠ \ مقررات	٤- عدد الساعات المعتمدة / عدد المقررات:
Complying with the faculty bylaw: ▪ The theoretical examination: the examiner board should be formed of three staff members. ▪ Practical & clinical examination: OSPE & OSCE systems. ▪ Oral examination: using oral cards.	٥- أسس تشكيل لجان الممتحنين:
√ متاح	٦- نظام الممتحنين الخارجيين:

ب - معلومات متخصصة

٧- إحصائيات:	
(1 st part =2 & 2 nd part=2) 4	- عدد الطلاب الملحقين بالبرنامج:
87.5%	- معدل النجاح في البرنامج (%):
√ متزايد	- اتجاه الالتحاق بالبرنامج (منسوبة إلى الأعداد الملحقة بالبرنامج خلال آخر ٣ سنوات):
عدد 1 st part (2) 100 %	- نتائج الامتحان النهائي:
عدد 1 st part (2) 100 %	
جيد جداً ١	- توزيع تقديرات النجاح (%):
مقبول ٢	
امتياز --	
جيد 1	
٨- المعايير الأكاديمية:	



<p>Academic Standards of Master Program of forensic medicine and clinical toxicology, approved in department council no (247) date 5 / 9 / 2013, and in faculty council no. (356) date 15 / 9/ 2013. (ملحق ١)</p>	- المعايير الأكاديمية المرجعية:
<p>Achievement of program ILOs (ملحق 2)</p>	- المعلومات والمفاهيم:
<p>Achievement of program ILOs (ملحق 2)</p>	- المهارات المهنية:
<p>Achievement of program ILOs (ملحق 2)</p>	- المهارات العامة:
<p>- There is a system for academic support mainly through application of the office hour's system.</p>	- طرق دعم الطلاب (ذوي القدرات المحدودة والتميزين):
<p>(a) المعايير القياسية العامة لبرامج الدراسات العليا (درجة الماجستير) (مارس ٢٠٠٩) . which were issued by the National Authority for Quality Assurance & Accreditation of Education NAQAAE (ملحق 3)</p> <p>b) External references standards (Benchmarks):</p> <p>المعايير المرجعية الخارجية</p> <p>External reference points/benchmarks are selected to confirm the appropriateness of the objectives, ILOs of the program, (ملحق 4) .</p> <ol style="list-style-type: none">1. Forensic medicine and toxicology program Department of Forensic Medicine, University of Dundee, 2006. www.dundee.ac.uk2. Forensic medicine and forensic sciences program Department of Forensic Medicine, Faculty of Medicine, Nursing and Health Sciences, Monash University. http://www.med.monash.edu.au/vifm/ <p>ملحق 5: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية العامة</p>	- معايير القياس المرجعية للبرنامج
<p>□ غير متوافر</p>	- دليل البرنامج
<p>√ متوافر √ سنوي</p> <ul style="list-style-type: none">• Using the internal and external evaluation مرفق تقرير المراجع الداخلي و الخارجى للبرنامج (مرفق ٦)	- نظام المراجعة الدورية للبرنامج
<p>Achievement of program ILOs by the program courses</p>	- مدى توافق الهيكل الأكاديمي للبرنامج مع



ملحق (٧) مصفوفة المعارف والمهارات للبرنامج الدراسي	المستهدف من التعليم
<ul style="list-style-type: none">Inadequacy of infrastructure in department to support learning methods.Not all textbook references mentioned in the course specifications are available.	- المعوقات الإدارية والتنظيمية
٩-تقويم طلاب لقياس مدى اكتساب المستهدف من التعليم:	
<ul style="list-style-type: none">Student feedback questionnaires for evaluation of the program & courses.	- أدوات التقويم:
<ul style="list-style-type: none">Last week of program	- المواعيد:
مرفق تقرير المراجع الخارجي للبرنامج (مرفق ٦)	- ملاحظات المراجع الخارجي: (إن وجدت)
١٠-الإمكانات التعليمية:	
١:٢	- نسبة أعضاء هيئة التدريس إلى الطلاب
<input type="checkbox"/> مناسب	- مدى ملاءمة تخصصات أعضاء هيئة التدريس وتوزيع الأعباء عليهم طبقاً لاحتياجات البرنامج:
<input type="checkbox"/> إلى حد ما	- المكتبة:
<input type="checkbox"/> غير مناسبة: المعامل تحتاج الى تجهيزات وأجهزة حديثة وبنية تحتية متميزة.	- المعامل:
<input type="checkbox"/> غير مناسب: لا يتوفر عدد من أجهزة الكمبيوتر يتناسب مع الحد الأدنى للمطلوب.	- الحاسب الآلي:
<ul style="list-style-type: none">Stakeholders' questionnaires.	- مدى التعاون مع جهات الأعمال في توفير فرص التدريب للطلاب:
-----	- أي متطلبات أخرى للبرنامج:
١١-إدارة الجودة والتطوير:	



<p>□ فعال : Internal committee consists of well-qualified staff members, reviewing the program and its courses.</p> <p>a. تعقد اجتماعات دورية بوحدة الجودة تضم منسقي البرامج و أعضاء لجنة المراجعة الداخلية للبرامج و المقررات b. تراجع لجنة المراجعة الداخلية للبرامج و المقررات توصيف البرامج و المقررات سنويا c. و يتم ارسال تقاريرها الى القسم لأجراء التعديلات المطلوبة</p>	<p>- نظام المتابعة لجوانب القصور :</p>
<p>□ إلى حد ما • الية الغياب والحضور للطلاب غير مفعلة • كتيب العملي للطلاب غير مفعل logbook</p>	<p>- إجراءات تطبيق لوائح وقوانين الكلية والجامعة :</p>
<p>□ فعال : a. تراجع لجنة المراجعة الداخلية للبرامج و المقررات توصيف البرامج و المقررات سنويا b. و يتم ارسال تقاريرها الى القسم لأجراء التعديلات المطلوبة</p>	<p>- مدى فاعلية نظام المراجعة الداخلية في تطوير البرنامج :</p>
<p>مرفق تقرير المراجع الخارجى للبرنامج (مرفق ٦)</p>	<p>- ملاحظات المراجعين الخارجيين فيما يخص مخرجات البرنامج ومعايير القياس :</p>
<p>١٢-مقترحات تطوير البرنامج:</p>	
<p>• حذف مقررات مثل (الأطفال، الفسيولوجي، الباثولوجيا الإكلينيكية، السموم المهنية والكيمياء الحيوية) من الجزء الأول للماجستير لعدم ارتباطهم بالمخرجات التعليمية المستهدفة للبرنامج. • إضافة مقرر السموم الإكلينيكية العامة لأهميته القصوى بالمخرجات التعليمية المستهدفة للبرنامج.</p>	<p>- هيكل البرنامج (المقررات / الساعات):</p>
<p>١. مقرر السموم الإكلينيكية العامة بالجزء الأول. ٢. الأحصاء الطبي. ٣. فصل مقرر الباطنة العامة عن السموم بالجزء الثاني.</p>	<p>- مقررات جديدة:</p>
<p>١. تفعيل تدريب الأطباء بوحدة السموم logbook ٢. تفعيل تدريب الأطباء بمصلحة الطب الشرعي logbook</p>	<p>- التدريب والمهارات:</p>
<p>Stakeholders' questionnaires تفعيل تدريب الأطباء بوحدة السموم</p>	<p>- مقترحات قطاع الأعمال لتطوير البرنامج:</p>
<p>مقرر البرنامج + رئيس مجلس القسم</p>	<p>- المسئول عن التنفيذ:</p>
<p>2014-2016</p>	<p>- توقيت التنفيذ:</p>



المسئول عن البرنامج : Prof. Dr. Ola Gabber Haggag التوقيع : التاريخ : ٢٠١٤/ ٩

ملحق ١: Academic standard of the program

جامعة بنها
كلية الطب
قسم الطب الشرعي و السموم الأكلينيكية

وثيقة المعايير الأكاديمية المرجعية لبرنامج الماجستير

Academic Reference Standards (ARS) for Master Degree in Forensic Medicine and Clinical Toxicology

1. Attributes of gratitude.

- 1.1. Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in forensic medicine and clinical toxicology.
- 1.2. Appraise and utilize scientific knowledge to continuously update and improve clinical practice in forensic medicine and clinical toxicology.
- 1.3. Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioral and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in forensic medicine and clinical toxicology.
- 1.4. Provide patient care that appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and update information.
- 1.5. Identify and share to solve health problems in forensic medicine and clinical toxicology.



- 1.6. Acquire all competencies that enable him to provide safe, ethical and evidence based clinical care including use of new technology in forensic medicine and clinical toxicology
- 1.7. Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork, as supervisor, and trainer in relation to colleagues, medical students and other health professions.
- 1.8. Acquire decision making capabilities in different situations related to forensic medicine and clinical toxicology.
- 1.9. Show responsiveness to larger context of the health care system, including e.g. the organization of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.
- 1.10. Be aware of public health and health policy issues and share in system-based improvement of health care.
- 1.11. Show appropriate attitudes and professionalism.
- 1.12. Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in forensic medicine and clinical toxicology.

2. Academic Standards:

2.1. Knowledge and understanding:

By the end of Master program, the candidate should recognize and understand the followings:

- 2.1.1. Principles and basic theories and concept in the field of Forensic science, clinical toxicology and related medical sciences.
- 2.1.2. Effect of medical practice of forensic medicine & clinical toxicology and its reflection on community (Candidates must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the



ability to call effectively on other resources in the medical system to provide optimal health care).

- 2.1.3. Recent advances in the field of Forensic medicine, clinical toxicology and related scientific branches.
- 2.1.4. Ethical principles and medico-legal aspects of practice of clinical toxicology and forensic medicine as well as medical responsibility.
- 2.1.5. Principles and basic concepts of quality in professional practice including planning and improvement of performance.
- 2.1.6. Research methodology and Ethics of medical research.

2.2. Intellectual skills:

By the end of Master program, candidate should be able to recognize the followings:

- 2.2.1. Evaluation and interpretation data for proper diagnosis in the field of clinical toxicology and forensic medicine.
- 2.2.2. Solving medical problems, in the absence of some administrative tools.
- 2.2.3. Correlation between different scientific medical knowledge and their application in forensic medicine and clinical toxicology practice (Evidence-based medicine).
- 2.2.4. Designing and conducting scientific research, and research hypothesis.
- 2.2.5. Risk assessment in medical practice in forensic medicine and clinical toxicology.
- 2.2.6. Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology.
- 2.2.7. Decision making skills.

2.3. Practical/Professional skills

By the end of Master program, candidate should accept the followings skills:



- 2.3.1. Application of the basic and up to date Professional skills during practicing forensic medicine & clinical toxicology.
- 2.3.2. Writing and evaluating the different medical & medico-legal reports in the field of forensic medicine and clinical toxicology.
- 2.3.3. Evaluation of medical care, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation.

2.4. Communication and transferable skills.

By the end of Master program, candidate should accept the following skills.

- 2.4.1. Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.
- 2.4.2. Effective use of Internet Technology and healthcare information system in medical practise and patient medical records.
- 2.4.3. Self-appraisal and needs evaluation.
- 2.4.4. Use information by any means; in print or electronic format.
- 2.4.5. Incorporate formative evaluation feedback into daily practice.
- 2.4.6. Team work/leadership in different professional tasks.
- 2.4.7. Time management effectively.
- 2.4.8. Continuous Self-learning ability and medical education program participation.

المعهد مجلس القسم رقم (247) ، بتاريخ 5 / 9 / 2013 ،

و مجلس الكلية رقم (356) ، بتاريخ 15 / 9 / 2013

ملحق 2: مصفوفة مضاهاة المعايير الأكاديمية للبرنامج و أهداف و نواتج تعلم البرنامج



أهداف البرنامج	المعايير الأكاديمية للبرنامج (مواصفات الخريج):
1.4.	1.1. Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in forensic medicine and clinical toxicology.
1.1.	1.2.Appraise and utilize scientific knowledge to continuously update and improve clinical practice in forensic medicine and clinical toxicology.
1.1.	1.3.Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioral and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in forensic medicine and clinical toxicology.
1.2.	1.4.Provide patient care that appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and update information.
1.1.	1.5.Identify and share to solve health problems in forensic medicine and clinical toxicology.
1.3.	1.6.Acquire all competencies that enable him to provide safe, ethical and evidence based clinical care including use of new technology in forensic medicine and clinical toxicology
1.5. 1.9.	1.7.Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork, as supervisor, and trainer in relation to colleagues, medical students and other health professions.
1.6.	1.8.Acquire decision making capabilities in different situations related to forensic medicine and clinical toxicology.
1.7.	1.9.Show responsiveness to larger context of the health care system, including e.g. the organization of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations
1.7.	1.10.Be aware of public health and health policy issues and share in system-based improvement of health care.



1.8.	1.11 Show appropriate attitudes and professionalism.
1.3.	1.12. Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in forensic medicine and clinical toxicology.

نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج	
المعرفة و الفهم											
	2.a.10	2.a.9	2.a.8	2.a.7	2.a.6	2.a.5	2.a.4	2.a.3	2.a.2.		2.a.1.
						√	√	√	√	√	<i>By the end of Master program, the candidate should recognize and understand the followings:</i> 2.1.1.Principles and basic theories and concept in the field of Forensic science, clinical toxicology and related medical sciences.
					√						2.1.2.Effect of medical practice of forensic medicine & clinical toxicology and its reflection on community (Candidates must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the medical system to provide optimal health care).



									√	<p><i>By the end of Master program, candidate should be able to recognize the followings:</i></p> <p>2.2.1.Evaluation and interpretation data for proper diagnosis in the field of clinical toxicology and forensic medicine.</p>
			√						√	<p>2.2.2.Solving medical problems, in the absence of some administrative tools.</p>
						√				<p>2.2.3.Correlation between different scientific medical knowledge and their application in forensic medicine and clinical toxicology practice (Evidence-based medicine).</p>
							√			<p>2.2.4.Designing and conducting scientific research, and research hypothesis.</p>
				√						<p>2.2.5.Risk assessment in medical practice in forensic medicine and clinical toxicology.</p>
			√							<p>2.2.6.Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology.</p>
						√	√			<p>2.2.7.Decision making skills.</p>

نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج المهارات المهنية
Practical/Professional skills										
										2.c.2.
										2.c.3.
										2.c.4.
										2.c.5.
										2.c.6.
										2.c.7.



										records.
				√						2.4.3.Self-appraisal and needs evaluation.
									√	2.4.4.Use information by any means; in print or electronic format.
				√						2.4.5.Incorporate formative evaluation feedback into daily practice.
								√		2.4.6.Team work/leadership in different professional tasks.
				√						2.4.7.Time management effectively.
								√		2.4.8.Continuous Self-learning ability and medical education program participation.

ملحق 3: المعايير القياسية العامة لبرامج الدراسات العليا

برامج الماجستير

١ - مواصفات الخريج

- خريج برنامج الماجستير في أي تخصص يجب أن يكون قادرا على :
- ١ ١ إجادة تطبيق أساسيات ومنهجيات البحث العلمي واستخدام أدواته المختلفة
 - ٢ ١ تطبيق المنهج التحليلي واستخدامه في مجال التخصص
 - ٣ ١ تطبيق المعارف المتخصصة ودمجها مع المعارف ذات العلاقة في ممارسته المهنية
 - ٤ ١ إظهار وعيا بالمشاكل الجارية والرؤى الحديثة في مجال التخصص
 - ٥ ١ تحديد المشكلات المهنية وإيجاد حلول لها
 - ٦ ١ إتقان نطاق مناسب من المهارات المهنية المتخصصة واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية
 - ٧ ١ التوصل بفاعلية والقدرة على قيادة فرق العمل
 - ٨ ١ اتخاذ القرار في سياقات مهنية مختلفة
 - ٩ ١ توظيف الموارد المتاحة بما يحقق أعلى استفادة والحفاظ عليها
 - ١٠ ١ إظهار الوعي بدوره في تنمية المجتمع والحفاظ على البيئة في ضوء المتغيرات العالمية والاقليمية
 - ١١ ١ التصرف بما يعكس الالتزام بالنزاهة والمصداقية والالتزام بقواعد المهنة
 - ١٢ ١ تنمية ذاته أكاديميا ومهنيا وقادرا على التعلم المستمر

2- المعايير القياسية العامة

١-٢ المعرفة والفهم :

بإنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج على فهم ودراية بكل من :



نموذج رقم (١٥)

- ١-١-٢ النظريات والاساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة
- ٢-١-٢ التأثير المتبادل بين الممارسة المهنية وانعكاسها على البيئة
- ٣-١-٢ التطورات العلمية في مجال التخصص
- ٤-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية في مجال التخصص
- ٥-١-٢ مبادئ واساسيات الجودة في الممارسة المهنية في مجال التخصص
- ٦-١-٢ اساسيات واخلاقيات البحث العلمي
- ٢-٢ المهارات الذهنية :
بانتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :
 - ١-٢-٢ تحليل وتقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل
 - ٢-٢-٢ حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
 - ٣-٢-٢ الربط بين المعارف المختلفة لحل المشاكل المهنية
 - ٤-٢-٢ اجراء دراسة بحثية او كتابة دراسة علمية منهجية حول مشكلة بحثية
 - ٥-٢-٢ تقييم المخاطر في الممارسات المهنية في مجال التخصص
 - ٦-٢-٢ التخطيط لتطوير الاداء في مجال التخصص
 - ٧-٢-٢ اتخاذ القرارات المهنية في سياقات مهنية متنوعة
- ٣-٢ المهارات المهنية
بانتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :
 - ١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة في مجال التخصص
 - ٢-٣-٢ كتابة وتقييم التقارير المهنية
 - ٣-٣-٢ تقييم الطرق والادوات القائمة في مجال التخصص
- ٤-٢ المهارات العامة والمنتقلة :
بانتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :
 - ١-٤-٢ التواصل الفعال بأنواعه المختلفة
 - ٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية
 - ٣-٤-٢ التقييم الذاتي وتحديد احتياجاته التعليمية
 - ٤-٤-٢ استخدام المصادر المختلفة لحصول على المعلومات والمعارف
 - ٥-٤-٢ وضع قواعد ومؤشرات تقييم اداء الاخرين
 - ٦-٤-٢ العمل في فريق سياقات مهنية مختلفة
 - ٧-٤-٢ ادارة الوقت بكفاءة
 - ٨-٤-٢ التعلم الذاتي والمستمر

ملحق 4: Benchmarks (المعايير المرجعية الخارجية)

Department of Forensic Medicine, University of Dundee, Dundee, Scotland
Tel: Int. code: +44 (1382) 388020; UK code (01382) 388020
Fax: Int. code: +44 (1382) 388021; UK code (01382) 38802

Forensic Medicine programme Guide



What the course is

The Master of Forensic Medicine is a 1-year taught masters course designed primarily for overseas medical graduates. It may be suitable also for dental graduates, and for graduates in nursing or the biological sciences who have already completed a postgraduate degree such as an

MSc or a PhD. The philosophy of the programme is to foster the development of medico-legal expertise founded in current scientific knowledge and devoid of bias. The course addresses those aspects of forensic medicine and science which are most frequently the subject of expert testimony in the courts. The intention is to provide postgraduate students with core knowledge and intellectual skills in forensic medicine. The course may be taken full-time over 12 months or part-time over 24 months. The course begins in mid-September, at the start of the university academic year. (The precise dates of the university academic year can be found on the university website). Students should plan on attending at the university during Freshers' Week, which is the week immediately before the

start of the first semester. The course follows the usual university semester dates with a Christmas vacation of four weeks and an Easter vacation of three weeks.

Teaching is through lectures, small group seminars in which the students are required to make Powerpoint presentations, and one-to-one case-based teaching on medico-legal autopsy cases.

All of the teaching materials, including the course and module guides, the lecture schedules, the lecture notes and assignments are provided on a computer-based system (Blackboard). Each student has personal desk space with computer, printer and internet access at all hours, seven days a week. There is also access to the Centre library at all hours, seven days a week.

COURSE AIMS AND OBJECTIVES

This one-year taught Masters course stands alone with no prerequisite course requirements other than a basic degree in medicine that is MB, ChB, or an equivalent qualification. The philosophy

of the programme is to foster the development of medico-legal expertise founded in current scientific knowledge and devoid of bias. The course addresses those aspects of forensic medicine and science which are most frequently the subject of expert testimony in the courts.

The intention is to provide postgraduate students with core knowledge and intellectual skills in forensic medicine.

After completing this course the successful candidate will:

1. Have a knowledge and understanding of forensic medicine principles, concepts and terminology
2. Have an understanding of related applications of forensic science
3. Be able to apply their knowledge and skills to accurately observe and document medicolegal findings
4. Be able to develop and critique medico-legal opinions based upon current literature

SYLLABUS

The MFM course comprises three modules. There are two compulsory taught modules, the one

in forensic medicine and the other in forensic science. The third module which makes up the course may be either a literature review dissertation or alternatively a research dissertation based upon a small research project.

The overall aim of the **forensic medicine module** is to provide an integrated working knowledge of the main subject areas within forensic medicine. The more detailed



learning outcomes of the module and the listing of lecture topics are set out in an appendix to this document (Appendix 1). The forensic medicine module is delivered through lectures, some of which are discussion-based requiring student participation. The lecture material is illustrated with case examples. Each lecture is of two hours and there are 15 lectures in all. In addition there is case-based one-to-one teaching in the mortuary involving external examination of deceased and post mortem dissections. Students are required to complete records of learning on a minimum 50 external examinations and 50 post mortem dissections. The one-page record of learning sheets follow a similar format to those used by the Royal College of Pathologists for the training of forensic pathologists in the UK. Students are required to submit photocopies of these sheets as part of the course requirements. In addition there are four written essay type assessments which require the development of medico-legal opinions in fictionalised cases. There is available on Blackboard a detailed module guide for the forensic medicine taught module together with the lecture schedule, lecture notes, teaching notes on the medico-legal autopsy, the record of learning sheets, the four assignments and examples of medico-legal opinions. Students will find clear information regarding the scheduling of all assessments, including submission dates for coursework within the module guide. Feedback is provided to students on all assessed work and is scheduled into the lecture series (see Appendix). Students may request additional individual feedback from the module lecturer at any time by contacting the lecturer via email through Blackboard. The overall aim of the **forensic science module** is to develop an understanding of applications of forensic science related to the practice of forensic medicine. The more detailed learning outcomes of the module and the listing of seminar topics are set out in an appendix to this document (Appendix 2). The forensic science module is delivered through small group seminars in which students are required to make Powerpoint presentations on allocated topics detailed in the module guide. These presentations form the basis of class discussions. Presentations are assessed in relation to content, focus and style. Seminar presentations and student participation in the seminars count for 50% of the final mark for the forensic science module. Each seminar is of two hours and there are 10 seminars in all. Teaching is enhanced using computer-based fictional case scenarios and internet-linked material for individual study. There is available on Blackboard a detailed module guide for the forensic science taught module together with the seminar schedule, a listing of relevant references, student seminar tasks, example Powerpoint presentations and advice on how to prepare such a presentation, fictional case scenarios and internet links to sites with relevant teaching material. Assessment is by course work with seminar presentations and participation in the seminar counting for 50% of the final mark. There are two written essay type assignments each counting for a further 25% of the module final



mark. Students will find clear information regarding the scheduling of all assessments, including submission dates for coursework within the module guide. Feedback is provided to students on all assessed work and is scheduled into the seminar series (see Appendix). Students may request additional individual feedback from the module lecturer at any time by contacting the lecturer via email through Blackboard.

The third module is either a literature review dissertation or a research dissertation based

upon a short research project. The majority of students undertake a literature review dissertation. The literature review module intends to provide the student with the ability to retrieve, critically review published literature and produce an accurate and balanced synthesis.

The subject matter of the review dissertation is agreed between the course organiser and the individual student within 4 weeks of the start of the MFM programme. The selection of the subject matter takes into account current issues in forensic medicine, the interests of the student, and any particular medico-legal issues specific to the area of the world in which the student intends to practice. A first draft of a significant part of the review dissertation must be submitted in the first week of classes following the New Year holiday break. The alternative option, the research dissertation, aims to provide the necessary skills to plan, execute and write-up a research project. There is one-to-one teaching on the project and developing a literature review around the subject matter of the project. There are limited opportunities to undertake research projects and students who wish to do so should raise the matter no later than the first few weeks of the course, and preferably prior to entering the course. Feedback on literature review and research projects is provided orally to students on an individual basis within 2 weeks of submission of any written work. Students may request additional individual feedback from the module lecturer at any time by contacting the lecturer via email through Blackboard

LEARNING OUTCOMES

By the end of the course, students should:

1. A detailed and critical knowledge and understanding of the science and art of forensic medicine
2. A critical awareness of current issues in forensic medicine
3. A critical understanding of the application of forensic science
4. The ability to interpret forensic medical evidence with objectivity and balance
5. The ability to retrieve, critically review published literature and produce an accurate and balanced synthesis
6. The ability to communicate with peers and more senior specialists orally and in writing
7. The ability to use a wide range of software to support and enhance the above
8. The ability to take responsibility for their own work and to exercise substantial autonomy and initiative in a learning environment

RECOMMENDED TEXTS

The prescribed course texts are listed in the forensic medicine and forensic science module



guides. Students are advised that a sufficient number of these texts are available in the Centre library for the use of students. These texts may not be removed from the library and are available at all hours, seven days a week. Consequently students may choose not to purchase their own copies of these texts, some of which are expensive.

ATTENDANCE & PARTICIPATION

Attendance at every tutorial meeting and seminar (subject to illness or other good cause) is required if a student is to meet the standards of attendance and participation. If a student fails to attend tutorials or seminars, absence will be noted on the student record and so be a consideration at any stage where decisions about progress and future are being made and when references are being prepared. A student may be required to do additional work to compensate for absence (whatever the reason for the absence) and to demonstrate that there has been coverage of the materials and skills which that tutorial or seminar was designed to address. Such work must be completed. If a student has good reason for missing a class, eg illness, the student can self-certify absence for up to 5 days and should also inform the module organiser so that this can be noted. If an illness results in absence for more than 5 days, students must go to their doctor for confirmation of the illness and obtain a medical certificate signed by the GP. Medical certificates should be sent to the Centre office who will inform others as appropriate. Please note, however, that self-certification of illness is not permitted in relation to late submission of assessments.

ASSESSMENT

The individual coursework assignments provide formative assessment but also contribute towards a summative statement of achievement. Formative assessment is designed to provide students with feedback on progress and inform development. Summative assessment provides a measure of achievement or failure made in respect of a student's performance in relation to the intended learning outcomes of the programme. The intended learning outcomes for the course as a whole are set out above and for the individual modules are set out as appendices to this document (see Appendices 1-3). Information on the types and number of assignments is given in the section on the syllabus above, and an overall outline of the timetable of work and assessments is given in an appendix to this document (Appendix 5). Students will find clear information regarding the scheduling of all assessments, including submission dates for coursework within the individual module guides. This information is provided at the start of the programme to enable students to plan and prepare effectively. Feedback is provided to students on all assessed work and is scheduled into the lecture and seminar series in forensic medicine and forensic science. Feedback on literature review and research projects is provided orally to students on an individual basis within 2 weeks of submission of any written work. This feedback is intended to promote learning and facilitate improvement. Students may request additional



individual feedback from any of the module lecturers at any time by contacting them via email through Blackboard. Assessment details are given in the individual module guides and have been outlined above. If, for whatever reason, you do not complete the assignment(s) for a module you will be deemed to have a nil mark for that element of the module though the circumstances of your non-completion will be considered by the board of examiners.

APPENDIX 1: FORENSIC MEDICINE MODULE

Intended learning outcomes

Knowledge and Understanding:

- A detailed and critical knowledge and understanding of the science and art of forensic medicine
- A critical awareness of current issues in forensic medicine

Skills:

- The ability to apply their knowledge to accurately observe and document medico-legal findings
- The ability to interpret forensic medical evidence with objectivity and balance
- The ability to communicate with peers and more senior specialists orally and in writing
- The ability to concisely and cogently critique medico-legal opinions based upon current medical literature

Lecture topics:

1. Introduction, Wounds 1
2. Wounds 2
3. Post Mortem Changes and Time of Death
4. Gunshot Wounds
5. Alcohol and Drugs
6. Assignment 1 Discussion
7. Death and Related Matters: Certification, Disposal & Organ Transplantation
8. Death Investigation
9. Assignment 2 Discussion
10. Bodies recovered from Fire and Water
11. Asphyxia
12. Personality Profiling of Assailants
13. Sexual Offences and Child Abuse
14. Assignment 3 Discussion
15. Assignment 4 Discussion

APPENDIX 2: FORENSIC SCIENCE MODULE

Intended learning outcomes

Knowledge and Understanding:

- Have an understanding of the principles and practice of physical evidence collection and preservation



- Have a critical understanding of the principles underpinning the various class and individualising tests performed by the laboratory, for each type of physical evidence

Skills:

- The ability to retrieve, critically review published literature and produce an accurate and balanced synthesis
- The ability to communicate with peers and more senior specialists orally and in writing
- The ability to use a wide range of software to support and enhance the above
- The ability to take responsibility for own work and to exercise substantial autonomy and initiative in a learning environment

Seminar topics:

1. Laboratory Instruments and Techniques in Forensic Science
2. Physical Match and Fingerprints
3. Fingerprints
4. Fibres & Hairs
5. Blood spatter, Serology & DNA
6. Drugs and Document Examination
7. Firearms
8. Paint and Road Traffic Accidents
9. Statistical Analysis

APPENDIX 3: LITERATURE REVIEW DISSERTATION OR RESEARCH

DISSERTATION

(a) Literature review dissertation

Intended learning outcomes

Knowledge and Understanding:

- critical awareness of current issues in forensic medicine

Skills:

- The ability to retrieve, critically review published literature and produce an accurate and balanced synthesis
-
- The ability to communicate with peers and more senior specialists orally and in writing
- The ability to use a wide range of software to support and enhance the above
- The ability to take responsibility for own work and to exercise substantial autonomy and initiative in a learning environment

(b) Research dissertation

Intended learning outcomes

By the end of the module, students should have:

- Knowledge of safety procedures as they apply within a scientific laboratory
- An attitude which values honesty, frankness, and integrity in scientific research.
- The ability to plan and execute a significant project of research or investigation



- The ability to retrieve, critically review published literature and produce an accurate and balanced synthesis
- The ability to take responsibility for own work and to exercise substantial autonomy and initiative in a project

APPENDIX 4: UNIVERSITY OF DUNDEE SENATUS ACADEMICUS REGULATIONS GOVERNING PLAGIARISM AND ACADEMIC DISHONESTY

{Note: these Regulations apply to all undergraduate and postgraduate degrees, diplomas and certificates}

- 1. The University's degrees and other academic awards are granted in recognition of a candidate's personal achievement.
- 2. Any action on the part of a candidate which involves plagiarism (defined as the unacknowledged use of another's work as if it were one's own exemplified by copying from a source without acknowledgement of its origin) or other form of academic dishonesty, in work which may be assessed as part of the requirements for an academic award, will be regarded as a serious offence.
- 3. Where a substantive case of academic dishonesty or plagiarism is detected by an examiner, a written or oral report shall be made to the Board of Examiners(1) concerned, along with one of the following recommendations:
 1. that the examiner is satisfied that the matter should be noted but requires no further action by the Board(1) because it involves no more than a single lapse or a very few minor lapses which have been taken into account in the examiner's assessment of the work; or
 2. that the nature of the academic dishonesty is such that in the examiner's opinion it is appropriate to reduce the candidate's mark by a specified amount to reflect the examiner's assessment of the extent of the cheating; or
 3. that the nature of the academic dishonesty, and/or its extent, is so significant that the examiner is unable to penalise the work adequately by a reduction in marks and that the Board of Examiners(1) should consider it as a serious case of cheating.
- 4(1) In the case of a recommendation from an examiner in terms of Regulation 3(2) the Board of Examiners(1) has the discretion to adjust the marks and results up to the point where the academic rating for the piece of work in question is reduced to zero with whatever consequences would normally follow from such performance, including loss of class in the case of honours examinations, or failure in the case of other examinations.
- 4(2) A Board of Examiners(1) has no power to make a greater adjustment to marks by way of penalty for what it regards as a more serious and substantial case of academic dishonesty. Where a Board of Examiners(1) believes the extent of the dishonesty in terms of Regulation 3(3) to be such that sanction over and above the disallowance of work is appropriate, as detailed a report as possible of the circumstances of the offence



should be sent to the Academic Secretary who will arrange for it to be considered along with his recommendation concerning the subsequent action which might be taken by the University Committee on Academic Dishonesty. In such a case, any decision by the Board of Examiners(1) concerning that particular student shall be suspended pending the decision of the Committee.

· 4(3) The decision of the Committee on Academic Dishonesty shall be final except in those cases where the Committee believes refusal to award a degree or other qualification or exclusion from the University is appropriate. In such cases the Committee shall make a recommendation to the Senate.

November 2000

Footnotes

(1) or the Director of the Centre in cases where academic dishonesty or plagiarism is detected in coursework undertaken during the academic year. This is to ensure that matters may be dealt with expeditiously in the interests of the students concerned rather than having to wait for the annual meeting of the Board of Examiners in June.

(2) Any such decision of the Senatus is subject to the provision of Statute 9(5)(b).



MONASH University

Monash University Handbook 2011 Postgraduate Forensic medicine

Managing faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Description

Forensic medicine aims to develop academic standards in clinical forensic medical practice and to produce graduates who have a sound knowledge of medico-legal principles. Students have the opportunity to develop practical skills in research as well as in providing clinical forensic services to the community.

Units

For the schedule of units required to complete a given course in this area of study, refer to the Handbook entry for the relevant course.

Relevant Courses

[3884](#) Graduate Certificate of Nursing (Forensic)

[3412](#) Master of Forensic Medicine

3884 - Graduate Certificate of Nursing (Forensic)



This course entry should be read in conjunction with information provided in the 'Faculty information' section of this Handbook by the Faculty of Medicine, Nursing and Health Sciences

Managing faculty [Medicine, Nursing and Health Sciences](#)

Abbreviated title GradCertNurs(Forens)

Total credit points required 24

Standard duration

of study (years) 1 year PT

Study mode and

location Off-campus ([Clayton](#))

Admission, fee and

application details <http://www.monash.edu/study/coursefinder/course/3884>

Contact details

Ms Debbie Hellings, course administrator: telephone +61 3 9684 4115;

email debbie.hellings@monash.edu or debbieh@vifm.org

Visit website <http://www.vifm.org>

Course

coordinator [Dr Angela Williams](#)

Notes

- This course is not available to international student visa holders.
- Part-time study only.

Description

This course, offered by the Department of Forensic Medicine, aims to assist those with an

interest in pursuing professional development in the area of forensic nursing. Areas covered are:

- forensic knowledge and nursing responsibilities in forensic cases
- clinical consultations with victims of crime and offenders
- medico-legal report writing and provision of evidence in court
- theoretical and cultural aspects of interpersonal violence.

Objectives

On completion of the course, graduates will have gained the knowledge, skills and attributes

(theoretical and practical) necessary to:

- provide a comprehensive nursing service for victims of interpersonal violence
- demonstrate a thorough working knowledge of the forensic and nursing responsibilities in forensic cases
- obtain highly developed communication skills in clinical consultations with victims of crime and offenders
- write medico-legal reports and provide evidence in courts on a range of clinical situations and consultations



- liaise effectively with associated agencies, law enforcement, criminal justice system and counselling services on issues surrounding individual cases
- comprehend theoretical and cultural aspects of interpersonal violence.

Assessment

Assessment includes case study reports, presentations, online discussion, clinical placement/attachment.

Structure

This course comprises four core units.

Requirements

Semester 1

- [FOR5001](#) Sexual assault nursing I
- [FOR5003](#) Understanding injuries

Semester 2

- [FOR5002](#) Sexual assault nursing II
- [FOR5004](#) Nursing and the criminal justice system

Award(s)

Graduate Certificate of Nursing (Forensic)

FOR5001 - Sexual assault nursing I

6 points, SCA Band 0 (NATIONAL PRIORITY), 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2011 (Off-campus)

Coordinator(s) [Dr Angela Williams](#)

Synopsis

Divided into key themes surrounding the theory and historical perspective of rape and sexual

assault, the incidence and prevalence of sexual offences, history taking, examination findings,

and understanding the complexities of victims of sexual assault, this unit provides the foundations to understanding adult sexual assault nursing and forms the basis for

[FOR5002](#). Both

units give the sexual assault nurse a broad understanding of managing adult sexual assault in

their community. Exploring best practice models from national and international resources the

student learns to critically evaluate these and other journal articles provided.

Objectives

Upon completion of this unit the student will be able to:

a. Describe the incidence and prevalence of violence against women and sexual assault as it

relates to the community;

b. Define the elements of sexual assault and the law surrounding sexual offences;



- c. Describe both female and male genital anatomy;
- d. Develop a clear understanding of genital physiology;
- e) Evaluate sexual assault services, existing models and journal reviews;
- e. Develop skills in communicating with victims of sexual assault whilst understanding the complexities of history taking in these circumstances;
- f. Define the process used to perform a high quality sexual assault examination;
- g. Understand the importance of clear and precise record keeping, documentation and the advantages and disadvantages photography as an adjunct to written records and
- i. Identify and understand the needs of vulnerable subgroups or of victims from diverse and/or ethnic communities.

Assessment

- Workbook Activities (20%)
- Online Discussion (10%)
- Case Presentation (20%)
- Residential Participation (10%)
- Case Study (40%)

Chief examiner(s)

[Dr Jo Ann Parkin](#)

Off-campus attendance requirements

Compulsory 3 day workshop each semeste

FOR5003 - Understanding injuries

6 points, SCA Band 0 (NATIONAL PRIORITY), 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2011 (Off-campus)

Coordinator(s) [Dr Angela Williams](#)

Synopsis

The unit is divided into key themes surrounding pathophysiology, causation, classification, and documentation of injuries. Designed to give participants advanced skills in assessing injuries with specific regard to these themes and common injury patterns enabling them to interpret injuries and provide opinions as to their likely cause to the criminal justice system. The unit explores best practice models from national and international resources and requires the student to critically evaluate these and other journal articles provided. A national and international focus is maintained throughout as the student gains skills adaptable to professional opportunities interstate and overseas.

Objectives

Upon completion of this unit the student will be able to:



- Demonstrate an understanding of the pathophysiology of injuries;
- Describe the limitations of accurate interpretation of injuries or the absence of injuries;
- Use forensic photography as an adjunctive method of documentation;
- Detail the classification of injuries;
- Critically examine the current literature surrounding injuries and injury patterns;
- Analyse and interpret mechanism and circumstances by which the injuries were sustained;

Assessment

Workbook Activities (30%)

Case Studies (30%)

Case Presentation and Residential Participation (10%)

Assignment (30%)

Chief examiner(s)

[Dr Angela Williams](#)

Off-campus attendance requirements

Compulsory 3 day workshop each semester.

FOR5002 - Sexual assault nursing II

6 points, SCA Band 0 (NATIONAL PRIORITY), 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) Second semester 2011 ([Off-campus](#))

Coordinator(s) [Dr Angela Williams](#)

Synopsis

It is intended that this unit will provide the foundations to understanding adult sexual assault

nursing alongside the unit [FOR5001](#). Together these units will give the sexual assault nurse a

broad understanding of managing adult sexual assault in their community. The unit is divided

into key themes surrounding examination findings, specimen collection, therapeutics medico

legal issues, interagency liaison and developing a sexual assault service. Group and studentstudent

facilitated learning is encouraged as students engage each other, exchange opinions and

offer/receive peer review. The unit explores best practice models from national and international

resources and requires the student to critically evaluate these and other journal articles provided.

A national and international focus is maintained throughout as the student gains skills adaptable

to professional opportunities interstate and overseas.

Objectives

Upon completion of this unit the student will be able to:

- Identify, classify and interpret both body and genital injuries sustained by a sexual assault



- victim;
- Understand the incidence and prevalence of injury patterns;
 - Develop a sound knowledge basis of the science and philosophy behind collecting forensic specimens as well as being able to practise competent and proficient collection techniques;
 - Apply best practice evidence based medicine when evaluating for, preventing and treating injuries, sexually transmitted diseases and pregnancy alongside other issues in therapeutically managing a sexual assault victim;
 - Communicate effectively with other agencies involved in the management of a sexual assault case including the handling of sensitive information;
 - Identify special circumstances in which sexual assault occurs and be able to teach and responding to community attitudes surrounding these issues;
 - Critically analyse the role of the health professional in a sexual assault case and the complexities associated with this role; and
 - Apply the knowledge and skills gained from the combination of this and the prerequisite unit to aid in the establishment of a high quality 24 hour service to deal with sexual assault cases.

Assessment

Workbook Activities (20%), Online Discussion (10%), Case Presentations (20%), Residential Participation (10%), Case Study (40%)

Chief examiner(s)

[Dr Jo Ann Parkin](#)

Contact hours

Compulsory 3 day workshop each semester

Prerequisites

[FOR5001](#)

FOR5004 - Nursing and the criminal justice system

6 points, SCA Band 0 (NATIONAL PRIORITY), 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) Second semester 2011 ([Off-campus](#))

Coordinator(s) [Dr Angela Williams](#)

Synopsis

The unit covers four themes: Introduction to the Criminal Justice System and Sexual Offences;

Medico legal Documentation; Rules of Evidence; Giving Evidence and Advocacy Techniques.

Designed to give nursing students knowledge of the legal system (in particular the criminal

justice system), the unit examines the hierarchy of the legal system and the courts. The importance of providing objective and informative opinion evidence to the court and an



understanding of the boundaries of being an expert witness is also covered. The moot court allows students to practice skills and gain confidence in the plan of the courtroom and a site visit demonstrates and the process and procedures of a trial.

Objectives

Upon completion of this unit the student will be able to:

- a. Understand the basics of the legal system and be able to locate appropriate law in relation to their professional duties;
- b. Demonstrate knowledge of the general principles of the laws of evidence, in particular the rules around opinion evidence;
- c. Understand the role of the expert witness;
- d. Prepare a medico legal report; and
- e. Utilize techniques necessary for managing evidence in chief, cross examination and re examination.

Assessment

Workbook Activities (30%)

Case Studies (30%)

Presentation and Residential participation (10%)

Assignment (10%)

Chief examiner(s)

[Dr Angela Williams](#)

Off-campus attendance requirements

Compulsory 3 day workshop each semester.

Master of Forensic Medicine

This course entry should be read in conjunction with information provided in the 'Faculty information' section of this Handbook by the Faculty of Medicine, Nursing and Health Sciences

Managing faculty [Medicine, Nursing and Health Sciences](#)

Abbreviated title MForensMed

Total credit points required 72

Standard duration of study (years) 3 years PT

Study mode and location Off-campus ([Clayton](#))

Contact details

Ms Debbie Hellings, course administrator: telephone +61 3 9684 4115;

email debbie.hellings@monash.edu or debbieh@vifm.org

Visit website <http://www.vifm.org>

Course coordinator [Associate Professor David Wells](#)

Notes

- This course is not available to international student visa holders.
- Part-time study only.



Description

This course is designed to further develop medical practitioners knowledge and skills so that they are able to provide a high quality clinical forensic medical service. This will include ethical and legal issues arising in forensic medical practice, the skills required to interpret injury patterns and communication with the justice system.

Objectives

This course is designed to:

- establish academic standards in clinical forensic medical practice
- produce graduates who have a sound knowledge of medico-legal principles
- develop practitioners skills in providing clinical forensic services in the community
- strengthen the teaching- research nexus in forensic medical education
- foster the development of career pathways in forensic medicine.

Assessment

Assessment activities, including the thesis option, are designed to further develop the participants' understanding of the theoretical principles underpinning forensic practice. Assessment methods will vary but may include coursework and workshop participation, formal assignments, casebooks and minor thesis.

Structure

This course is offered via coursework and minor thesis, or by coursework only. The coursework component comprises core and elective units.

Requirements

Core units

- [FOR4001](#) Medical evidence
- [FOR4002](#) Injury interpretation
- [FOR4003](#) Ethics, medicine and the law

Coursework and minor thesis option

Students complete:

- 48 points of electives
- a minor thesis

Students undertaking the minor thesis are required to prepare a research proposal at an early stage of their minor thesis enrolment and have this approved by their thesis supervisor. The area of research must cover a topic directly related to forensic medicine, and should include at least one elective unit of instruction on research methodologies and basic statistics.

Coursework only option

Students complete:

- 54 points of electives



Elective units

Students select units from the list below or may also (with departmental approval) choose other graduate units offered by the Faculty of Medicine, Nursing and Health Sciences, other faculties at Monash University or other tertiary institutions.

- [FOR4004](#) Elements of the forensic sciences
- [FOR4005](#) Child and adolescent sexual abuse
- [FOR4006](#) Non accidental injury in childhood
- [FOR5005](#) Adult sexual assault
- [FOR5006](#) Traffic medicine
- [FOR5007](#) Elements of forensic toxicology
- [FOR5008](#) Custodial medicine
- [FOR5010](#) Project in forensic medicine

Minimum grade for course completion

Students must achieve a minimum distinction grade average in all three core units to qualify for

this award. Students who do not achieve this average will exit with a Graduate Certificate of

Forensic Medicine or Graduate Diploma of Forensic Medicine, depending on the units completed, providing all requirements for the award has been met.

Alternative exit(s)

Students may exit this course with a Graduate Certificate of Forensic Medicine or Graduate

Diploma of Forensic Medicine providing all requirements of that award have been met.

Award(s)

Master of Forensic Medicine

FOR4001 - Medical evidence

[print version](#)

6 points, SCA Band 3, 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2012 ([Off-campus](#))

[Clayton](#) Second semester 2012 ([Off-campus](#))

Coordinator(s) [Associate Professor David Ranson](#)

Synopsis

The law of evidence is a branch of adjectival law. It consists of legal rules, procedural rules and

administrative arrangements whereby courts and tribunals within the justice system receive and

evaluate evidence.

To perform satisfactorily in this field a forensic medical practitioner's communication skills must



be of a high order and they need to understand the legal principles that govern the admissibility of their evidence.

This unit will enable students to gain practical skills in the delivery of medical evidence in courts and tribunals, in the preparation of medico legal reports to be used as items of evidence and in the techniques of advocacy that can modify the way in which a medical practitioner's evidence is received by courts.

Tutorials and presentations will be used to lay the foundations for some of the basic academic objectives of the course. Workshops will be used to establish witness skills and oral communication techniques and a moot court will be used to develop practical skills in presenting evidence and developing strategies to deal with the medico legal and advocacy issues that arise during the examination and cross-examination of witnesses including expert witnesses.

Outcomes

On completion of this unit the student is expected to:

1. display an understanding of decision making processes in legal practice;
2. demonstrate knowledge of the general principles of the laws of evidence;
3. comprehend the special rules regarding opinion evidence;
4. understand the role of the expert witness;
5. be conversant with the rules governing the reception of evidence to the courts;
6. demonstrate competency in preparing medico-legal reports;
7. have developed the skills required to present evidence in court;
8. have acquired the techniques necessary for managing examination-in-chief, cross examination and re-examination.

Assessment

Assignments/Essays (50%)

Casebook Workbook (25%)

Skills Evaluation (25%)

Chief examiner(s)

[Associate Professor David Ranson](#)

Off-campus attendance requirements

Compulsory 2 day workshop

FOR4002 - Injury interpretation

[print version](#)

6 points, SCA Band 3, 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2012 (Off-campus)

[Clayton](#) Second semester 2012 (Off-campus)

Coordinator(s) [Associate Professor D Wells](#)

Synopsis



The unit focuses on the issues surrounding the interpretation of injuries. Areas include the pathophysiology of injuries with particular reference to the anatomical, physiological and pathological principles; injury classification; documentation including forensic photography; injury patterns and circumstances of causation. Students will be expected to participate with clinical and post mortem cases.

Outcomes

On completion of this unit the student will be expected to:

1. display an understanding of the pathophysiology of injuries;
2. show familiarity with the factors limiting accurate injury interpretation;
3. interpret the forces producing injuries;
4. apply the principles of forensic photography;
5. demonstrate a detailed understanding of the classification of injuries;
6. be able to accurately document injuries;
7. analyse and interpret mechanisms and circumstances by which the injuries were sustained.

Assessment

Assignments / Essays (20%)

Case Studies (30%)

Casebook workbook (30%)

Skills Evaluation (20%)

Chief examiner(s)

[Associate Professor David Wells](#)

Off-campus attendance requirements

Compulsory 2 day workshop

FOR4003 - Ethics, medicine and the law

6 points, SCA Band 3, 0.125 EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2012 (Off-campus)

[Clayton](#) Second semester 2012 (Off-campus)

Coordinator(s) [Emeritus Professor L Waller](#)

Synopsis

The unit aims to help students become familiar with the tools and vocabulary of ethical discourse in medicine. A framework for this discourse is built, based on the four basic principles of autonomy, beneficence, non-maleficence and justice. The elements which go to make up the Australian Legal System are covered as well as those particular areas of law relating to forensic medical practice, i.e. consent, confidentiality and disclosure, issues at both the beginning and end of life.



Outcomes

The aims of this unit are:

1. to develop the student's awareness and understanding of the ideas and issues in medical ethics so that in practice, the interests of their patients/clients are safeguarded;
2. to develop the student's knowledge and understanding of relevant areas of the law so that in practice their contribution to the justice system is optimal.

Assessment

Assignments / Essays (50%)

Presentations (25%)

Casebook Workbook (25%)

Chief examiner(s)

[Emeritus Professor Louis Waller](#)

Off-campus attendance requirements

Compulsory 2 day workshop

FOR4004 - Elements of the forensic sciences

6 points, SCA Band 0 (NATIONAL PRIORITY),

0.125

EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2012 (Off-campus)

[Clayton](#) Second semester 2012 (Off-campus)

Coordinator(s) [Mrs Anna Davey](#)

Synopsis

Practitioners need to be familiar with the scope and limitations of the various branches of

forensic science to know when and how they may assist in particular cases. Topics to be covered

include the principles of forensic science, forensic biology, forensic botany, crime scene

examination, specimen collections, forensic anthropology, forensic odontology and forensic

entomology.

Outcomes

On completion of this unit the student is expected to:

1. show familiarity with the principles of forensic science generally and its scope;
2. comprehend the scope and limitations of forensic science generally and its subsections in particular;
3. understand the tests and analyses used in branches of forensic science to assist in the proper application of their results in particular cases;
4. know what specimens would be applicable for forensic science analysis in particular cases;



5. demonstrate competence in the collection storage and security of forensic specimens;
6. evaluate results of forensic scientific analysis meaningfully.

Assessment

Assignments / Essays (25%)

Case Studies (15%)

Presentations (10%)

Casebook Workbook (50%)

Chief examiner(s)

[Mrs Anna Davey](#)

Off-campus attendance requirements

Compulsory 2 day workshop

FOR4005 - Child and adolescent sexual abuse

6 points, SCA Band 0 (NATIONAL PRIORITY),

0.125

EFTSL

Refer to the specific [census and withdrawal dates](#) for the semester(s) in which this unit is offered.

Level Postgraduate

Faculty [Faculty of Medicine, Nursing and Health Sciences](#)

Offered [Clayton](#) First semester 2012 (Off-campus)

[Clayton](#) Second semester 2012 (Off-campus)

Coordinator(s) [Associate Professor David Wells](#)

Synopsis

Paediatric forensic medicine encompasses the medico-legal issues arising from the provision of a medical service to children. The unit will largely focus on the medical assessment of cases of suspected child sexual abuse.

The aim of this unit is to develop student's skills in the evaluation and management of children and adolescents suspected of being sexually abused. Integral to both evaluation and management will be a knowledge of the relevant legislation, policing and protective agencies, injury patterns, specialised investigative techniques and treatment.

Outcomes

On completion of this unit the student will be expected to:

1. Display a detailed understanding of the roles of health practitioners in assessing cases of suspected child sexual abuse.
2. Demonstrate an understanding of sexual development and behaviour in children.
3. Demonstrate an awareness of the ethical and legal issues relevant to cases of suspected child sexual abuse.
4. Describe normal genital anatomy and physiology, and be able to interpret pathological conditions.



5. Apply medical and forensic principles to the evaluation of cases of suspected child sexual abuse.
6. Display a broad comprehension of the consequences, treatment and prevention of child sexual abuse.
7. Recognise the role of the other disciplines involved in investigations; protective workers, police, lawyers.
8. Recognise the medical and legal implications of a sexually transmitted infection in a child.
9. Display a detailed understanding of the roles of health practitioners in assessing cases of suspected child sexual abuse.
10. Demonstrate an understanding of sexual development and behaviour in children.
11. Demonstrate an awareness of the ethical and legal issues relevant to cases of suspected child sexual abuse.
12. Describe normal genital anatomy and physiology, and be able to interpret pathological conditions.
13. Apply medical and forensic principles to the evaluation of cases of suspected child sexual abuse.
14. Display a broad comprehension of the consequences, treatment and prevention of child sexual abuse.
15. Recognise the role of the other disciplines involved in investigations; protective workers, police, lawyers.
16. Recognise the medical and legal implications of a sexually transmitted infection in a child.

Assessment

Assignment 1 - Workbook questions 2,3,4, and 9: 15%

Assignment 2 - Case critique: 20%

Assignment 3 - Workbook questions 12, 13, 14, 15: 20%

Face to face teaching & case presentation: 15%

Essay: 30%

Chief examiner(s)

[Dr Anne Smith](#)

Contact hours

12 hours of study per week over the semester. This will include contact time (25 hours), private study (text and readings), assessment tasks (case studies, assignments), and involvement in case work, plus a compulsory 2 day workshop

Off-campus attendance requirements

Off-campus (distance education) with a two-three day attendance block during the semester.

Additional information on this unit is available from the faculty at:

<http://www.med.monash.edu.au/vifm/>

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<http://www.med.monash.edu.au/vifm/>



ملحق 5: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية العامة

- مواصفات الخريج:

مواصفات الخريج بالمعايير الأكاديمية للبرنامج	مواصفات الخريج بالمعايير القياسية العامة لبرامج الدراسات العليا (درجة الماجستير)
1.1. Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in forensic medicine and clinical toxicology.	١.١ . إجادة تطبيق أساسيات ومنهجيات البحث العلمي واستخدام أدواته المختلفة
1.2. Appraise and analyze scientific knowledge to continuously update and improve clinical practice in forensic medicine and clinical toxicology.	١.٢ . تطبيق المنهج التحليلي واستخدامه في مجال التخصص
1.3. Acquire sufficient medical knowledge in the basic biomedical, behavioral and clinical sciences, and apply such knowledge in patient care in forensic medicine and clinical toxicology.	١.٣ . تطبيق المعارف المتخصصة ودمجها مع المعارف ذات العلاقة في ممارسته المهنية
1.4. Provide patient care that appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and update information.	١.٤ . إظهار وعيا بالمشاكل الجارية والرؤى الحديثة في مجال التخصص
1.5. Identify and share to solve health problems in forensic medicine and clinical toxicology.	١.٥ . تحديد المشكلات المهنية وإيجاد حلول لها
1.6. Acquire all competencies that enable him to provide safe, ethical and evidence based clinical care including use of new technology in forensic medicine and clinical toxicology.	١.٦ . إتقان نطاق مناسب من المهارات المهنية المتخصصة واستخدام الوسائل التكنولوجية المناسبة بما يخدم



	ممارسته المهنية
1.7.Demonstrate interpersonal and communication skills that ensure effective information exchange with patients and their families and teamwork, as supervisor, and trainer in relation to colleagues, medical students and other health professions.	١.٧ . التواصل بفاعلية والقدرة على قيادة فرق العمل
1.8.Acquire decision making capabilities in different situations related to forensic medicine and clinical toxicology.	١.٨ . اتخاذ القرار في سياقات مهنية مختلفة
1.9.Show responsiveness to larger context of the health care system, including e.g. the organization of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations	١.٩ . توظيف الموارد المتاحة بما يحقق أعلى استفادة والحفاظ عليها
1.10.Be aware of public health and health policy issues and share in system-based improvement of health care.	١.١٠ . إظهار الوعي بدوره في تنمية المجتمع والحفاظ على البيئة في ضوء المتغيرات العالمية والإقليمية
1.11>Show appropriate attitudes and professionalism.	١.١١ . التصرف بما يعكس الالتزام بالنزهة والمصداقية والالتزام بقواعد المهنة
1.12.Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in forensic medicine and clinical toxicology.	١.١٢ . تنمية ذاته أكاديميا ومهنيا وقادرا على التعلم المستمر

أ - المعرفة والفهم:



المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الماجستير)
<p><i>By the end of Master program, the candidate recognize and understand the followings:</i></p> <p>2.1.1.Principles and basic theories and concept in the field of Forensic science, clinical toxicology and related medical sciences.</p>	<p>بإنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج على فهم ودراية بكل من :</p> <p>١-١-2 النظريات والاساسيات المتعلقة بمجال التعلم وكذا فى المجالات ذات العلاقة</p>
<p>2.1.2.Effect of medical practice of forensic medicine & clinical toxicology and its reflection on community (Candidates must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the medical system to provide optimal health care).</p>	<p>٢-١-٢- التأثير المتبادل بين الممارسة المهنية وانعكاسها على البيئة</p>
<p>2.1.3.Recent advances in the field of Forensic medicine, clinical toxicology and related scientific branches.</p>	<p>٢ ١ ٢ التطورات العلمية فى مجال التخصص</p>
<p>2.1.4.Ethical principles and medico-legal aspects of practice of clinical toxicology and forensic medicine as well as medical responsibility.</p>	<p>٢-١-٤ المبادئ الاخلاقية والقانونية للممارسة المهنية فى مجال التخصص</p>
<p>2.1.5.Principles and basic concepts of quality in professional practice including planning and improvement of performance.</p>	<p>٢-١-٥ مبادئ واساسيات الجودة فى الممارسة المهنية فى مجال التخصص</p>



2.1.6. Research methodology and Ethics of medical research.	٢-١-٦ اساسيات واخلاقيات البحث العلمى
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ب - القدرات الذهنية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الماجستير)
<i>By the end of Master program, candidate should be able to recognize the followings:</i> 2.2.1. Evaluation and interpretation data for proper diagnosis in the field of clinical toxicology and forensic medicine.	بانتهاؤ دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على : ١-٢-٢ تحليل وتقييم المعلومات فى مجال التخصص والقياس عليها لحل المشاكل
2.2.2. Solving medical problems, in the absence of some administrative tools.	٢-٢-٢ حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
2.2.3. Correlation between different scientific medical knowledge and their application in forensic medicine and clinical toxicology practice (Evidence-based medicine).	٢-٢-٣ الربط بين المعارف المختلفة لحل المشاكل المهنية
2.2.4. Designing and conducting scientific research, and research hypothesis.	٢-٢-٤ اجراء دراسة بحثية او كتابة دراسة علمية منهجية حول مشكلة بحثية
2.2.5. Risk assessment in medical practice in forensic medicine and clinical toxicology.	٢-٢-٥ تقييم المخاطر فى الممارسات المهنية فى مجال التخصص
2.2.6. Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology.	٢-٢-٦ التخطيط لتطوير الاداء فى مجال التخصص
2.2.7. Decision making skills.	٢-٢-٧ اتخاذ القرارات المهنية فى سياقات مهنية متنوعة

ج. مهارات مهنية وعملية :



المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الماجستير)
<p><i>By the end of Master program, candidate should accept the following skills:</i></p> <p>2.3.1. Application of the basic and up to date Professional skills during practicing forensic medicine & clinical toxicology.</p>	<p>بانتهاؤ دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على : ١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة فى مجال التخصص</p>
<p>2.3.2. Writing and evaluating the different medical & medico-legal reports in the field of forensic medicine and clinical toxicology.</p>	<p>٢ ٣ ٢ كتابة وتقييم التقارير المهنية</p>
<p>2.2.3. Evaluation of medical care, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation.</p>	<p>٣-٣-٢ تقييم الطرق والادوات القائمة فى مجال التخصص</p>

د . مهارات عامة و منتقلة :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الماجستير)
<p>By the end of Master program, candidate s accept the following skills:</p> <p>2.4.1. Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.</p>	<p>بانتهاؤ دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على : ١ ٤ ٢ التواصل الفعال بأنواعه المختلفة</p>
<p>2.4.2. Effective use of Internet Technology and healthcare information system in medical practise and patient medical records.</p>	<p>٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية</p>
<p>2.4.3. Self-appraisal and needs evaluation.</p>	<p>٣-٤-٢ التقييم الذاتى وتحديد احتياجاته التعليمية</p>
<p>2.4.4. Use information by any means; in print or electronic format.</p>	<p>٤-٤-٢ استخدام المصادر المختلفة لحصول على المعلومات والمعارف</p>
<p>2.4.5. Incorporate formative evaluation feedback into daily practice.</p>	<p>٥-٤-٢ وضع قواعد ومؤشرات تقييم اداء الاخرين</p>



2.4.6.Team work/leadership in different professional tasks.	٢ ٤ ٦ العمل في فريق سياقات مهنية مختلفة
2.4.7.Time management effectively.	٢ ٤ ٧ ادارة الوقت بكفاءة
2.4.8.Continuous Self-learning ability and medical education program participation.	٢ ٤ ٨- التعلم الذاتي والمستمر

ملحق (6) مصفوفة المعارف والمهارات للبرنامج الدراسي

Knowledge & Understanding										ILOs	
a.10	a.9.	2.a.8	2.a.7	2.a.6	2.a.5	2.a.4	2.a.3	2.a.2	2.a.1	Courses & codes	
■								■		FORE601a	Occupational toxicology
■							■	■		FORE601b	Forensic Chemistry & Analytical toxicology
■						■				FORE602a	Pharmacology
■						■				FORE602b	Biochemistry
■						■				FORE602c	Physiology
■							■			FORE603	Clinical pathology
■								■		FORE604	Pediatric medicine
■	■	■	■	■					■	FORE605	Forensic medicine
■	■	■	■	■				■		FORE606a	Clinical toxicology
■					■					FORE606b	General medicine

Intellectual Skills								ILOs	
2.b.8.	2.b.7	2.b.6	2.b.5	2.b.4	2.b.3	2.b.2	2.b.1	Courses & codes	
						■	■	FORE601a	Occupational toxicology
					■			FORE601b	Forensic Chemistry & Analytical toxicology
			■					FORE602a	Pharmacology
			■					FORE602b	Biochemistry



			■					FORE602c	Physiology
							■	FORE603	Clinical pathology
								FORE604	Pediatric medicine
	■	■	■		■			FORE605	Forensic medicine
	■	■	■		■			FORE606a	Clinical toxicology
			■					FORE606b	General medicine

Practical & Clinical Skills مهارة عملية و مهنية								ILOs	
2.c.7.	2.c.6	2.c.5	2.c.4	2.c.3	2.c.2	2.c.1	Courses & codes		
								FORE601a	Occupational toxicology
								FORE601b	Forensic Chemistry & Analytical toxicology
								FORE602a	Pharmacology
								FORE602b	Biochemistry
								FORE602c	Physiology
								FORE603	Clinical pathology
								FORE604	Pediatric medicine
			■	■	■	■		FORE605	Forensic medicine
		■						FORE606a	Clinical toxicology
		■						FORE606b	General medicine

General and transferable مهارة عامة								ILOs		
2.d.8	2.d.7.	2.d.6	2.d.5	2.d.4	2.d.3	2.d.2	2.d.1	Courses & codes		
							■	FORE601a	Occupational toxicology	
							■	FORE601b	Forensic Chemistry & Analytical toxicology	
							■	FORE602a	Pharmacology	
							■	FORE602b	Biochemistry	
							■	FORE602c	Physiology	
							■	FORE603	Clinical pathology	
							■	FORE604	Pediatric medicine	
							■	FORE605	Forensic medicine	
■	■	■	■	■	■	■	■	FORE606a	Clinical toxicology	



نموذج رقم (١٥)



		■	■	■		■	■	FORE606b	General medicine
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