



تقرير عن برنامج دراسي

للعام الأكاديمي: ٢٠١٣ - ٢٠١٤

جامعة: بنها

كلية: الطب

أ - معلومات أساسية

Doctorate of Forensic Medicine & Clinical Toxicology	١- اسم البرنامج:
Forensic medicine & Clinical toxicology	٢- التخصص:
Two years & Half (5 Semesters)	٣- عدد السنوات الدراسية:
<ul style="list-style-type: none"><li>• <b>Total hours of program</b> : 60 credit hours.</li><li>• <b>Theoretical</b>: 28 credit hours</li><li>• <b>Practical</b>: 12 credit hours</li><li>• <b>Logbook</b>: 6 credit hours</li><li>• <b>Thesis</b>: 14 credit hours.</li></ul> <p>٩ مقررات /</p>	٤- عدد الساعات المعتمدة / عدد المقررات:
Complying with the faculty bylaws: <ul style="list-style-type: none"><li>▪ <b>The theoretical examination</b>: the examiner board should be formed of three staff members.</li><li>▪ <b>Practical &amp; clinical examination</b>: OSPE &amp; OSCE systems.</li><li>▪ <b>Oral examination</b>: using oral cards.</li></ul>	٥- أسس تشكيل لجان الممتحنين:
✓ متاح	٦- نظام الممتحنين الخارجيين:

ب - معلومات متخصصة

	٧- إحصائيات:
٢	- عدد الطلاب الملتحقين بالبرنامج:
% ١٠٠	- معدل النجاح في البرنامج (%):
✓ ثابت	- اتجاه الالتحاق بالبرنامج (منسوبة إلى الأعداد الملتحقة بالبرنامج خلال آخر ٣ سنوات):
عدد ٢ ناجح ١٠٠%، عدد ٠ راسب ٠%	- نتائج الامتحان النهائي:
جيد جداً -- مقبول ---	- توزيع تقديرات النجاح (%):
امتياز -- جيد ٢	٨- المعايير الأكاديمية:



Academic Standards of MD Program of forensic medicine and clinical toxicology, approved in department council no. (247), date 5 / 9 / 2013, and in faculty council no. (356) date 16/9/ 2013. (ملحق ١)	- المعايير الأكاديمية المرجعية:
Achievement of program ILOs (ملحق ٢)	- المعلومات والمفاهيم:
Achievement of program ILOs (ملحق ٢)	- المهارات المهنية:
Achievement of program ILOs (ملحق ٢)	- المهارات العامة:
- There is a system for academic support through <u>the office hour's system.</u>	- طرق دعم الطلاب (ذوي القدرات المحدودة والتميزين):
<b>Reference standards:</b> a) المعايير القياسية العامة لبرامج الدراسات العليا (درجة الدكتوراة) (مارس ٢٠٠٩) , which were issued by the National Authority for Quality Assurance & Accreditation of Education NAQAAE (ملحق 3) b) External references standards (Benchmarks): المعايير المرجعية الخارجية External reference points/benchmarks are selected to confirm the appropriateness of the objectives, ILOs of the program, (ملحق 4). 1. Forensic medicine and toxicology program Department of Forensic Medicine, University of Dundee, 2006. <a href="http://www.dundee.ac.uk">www.dundee.ac.uk</a> 2. Forensic medicine and forensic sciences program Department of Forensic Medicine, Faculty of Medicine, Nursing and Health Sciences, Monash University. <a href="http://www.med.monash.edu.au/vifm/">http://www.med.monash.edu.au/vifm/</a> ملحق 5: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية العامة	- معايير القياس المرجعية للبرنامج
<input type="checkbox"/> غير متوافر	- دليل البرنامج
<input checked="" type="checkbox"/> متوافر <input checked="" type="checkbox"/> سنوي • Internal & external evaluators, reviewing the program and its courses. مرفق تقرير المراجع الداخلي و الخارجي للبرنامج (مرفق ٦)	- نظام المراجعة الدورية للبرنامج
Achievement of program ILOs by the program courses (ملحق ٧) مصفوفة المعارف والمهارات المستهدفة من البرنامج	- مدى توافق الهيكل الأكاديمي للبرنامج مع المستهدف من التعليم



الدراسي مع المقررات التابعة للبرنامج	
<ul style="list-style-type: none"><li>Inadequacy of infrastructure in department to support learning methods.</li><li>Not all textbook references mentioned in the course specifications are available.</li></ul>	- المعوقات الإدارية والتنظيمية
٩- تقويم طلاب لقياس مدى اكتساب المستهدف من التعليم:	
<ul style="list-style-type: none"><li>Student feedback questionnaires for evaluation of the courses.</li></ul>	- أدوات التقويم:
<ul style="list-style-type: none"><li>Last week of program</li></ul>	- المواعيد:
مرفق تقرير المراجع الخارجي للبرنامج (مرفق ٦)	- ملاحظات المراجع الخارجي: (إن وجدت)
١٠- الإمكانيات التعليمية:	
١:٣	- 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"><li>Stakeholders' questionnaires.</li></ul>	- مدى التعاون مع جهات الأعمال في توفير فرص التدريب للطلاب:
-----	- أي متطلبات أخرى للبرنامج:
١١- إدارة الجودة والتطوير:	



<p>□ <b>فعال :</b> 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 والمقررات سنويا و يتم ارسال تقاريرها الى القسم لأجراء التعديلات المطلوبة</p>	<p>- نظام المتابعة لجوارب القصور :</p>
<p>□ إلى حد ما</p> <p>• آلية الغياب والحضور للطلاب غير مفعلة</p> <p>• كتيب العملي للطلاب غير مفعل <b>logbook</b></p>	<p>- إجراءات تطبيق لوائح وقوانين الكلية والجامعة :</p>
<p>□ <b>فعال :</b> a. تراجع لجنة المراجعة الداخلية للبرامج و المقررات توصيف البرامج والمقررات 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 الخارجي 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 (الهستولوجي و الفسيولوجي) من الجزء الأول لعدم ارتباطهم بالمخرجات التعليمية المستهدفة للبرنامج. • تفصيل مقرر السموم الإكلينيكية (العامة والخاصة) والشرعي (الإكلينيكي والباثولوجي) لأهميته القصوى بالمخرجات التعليمية المستهدفة للبرنامج.</p>	<p>- هيكل البرنامج (المقررات / الساعات):</p>
<p>١. فصل مقرر الباطنة العامة عن السموم بالجزء الثاني.</p>	<p>- مقررات جديدة:</p>
<p>١. تفعيل تدريب الأطباء بوحدة السموم <b>logbook</b> ٢. تفعيل تدريب الأطباء بمصلحة الطب الشرعي <b>logbook</b></p>	<p>- التدريب والمهارات:</p>
<p>• تفعيل تدريب الأطباء بوحدة السموم • تفعيل تدريب الأطباء بمصلحة الطب الشرعي</p>	<p>- مقترحات قطاع الأعمال لتطوير البرنامج:</p>
<p>مقرر البرنامج + رئيس مجلس القسم</p>	<p>- المسئول عن التنفيذ:</p>
<p>201٦-201٤</p>	<p>- توقيت التنفيذ:</p>

التاريخ : ٢٠١٤/ ٩

المسئول عن البرنامج : Prof. Dr. Ola Gabber Haggag التوقيع :



**ملحق ١: Academic standard of the program**

جامعة بنها  
كلية الطب  
قسم الطب الشرعي و السموم الأكلينيكية

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

**1. Attributes of gratitude:**

- 1.1. Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in forensic medicine and clinical toxicology.
- 1.2. Have continuous ability to add knowledge new developments to forensic medicine and clinical toxicology through research and publication
- 1.3. Appraise and utilize scientific knowledge to continuously update and improve forensic medicine & clinical toxicology practice and relevant basic sciences.
- 1.4. Acquire excellent level of medical knowledge in the basic biomedical, clinical, behavioral and clinical sciences, medical ethics and apply such knowledge in patient care in forensic medicine and clinical toxicology.
- 1.5. Demonstrate in depth awareness of public health and health policy issues and share in system-based improvement of health care.
- 1.6. Identify and create solutions for health problems in forensic medicine and clinical toxicology.
- 1.7. Acquire an in depth understanding of common areas of forensic medicine and clinical toxicology from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems



in these areas.

- 1.8. Function effectively to provide patient care that is appropriate, compassionate for dealing with health problems and health promotion.
- 1.9. Use recent technologies to improve his practice in forensic medicine and clinical toxicology.
- 1.10. Demonstrate leadership competencies including interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 1.11. Master decision making capabilities in different situation related to forensic medicine and clinical toxicology.
- 1.12. Employ the available medical data effectively obtained during diagnosis of different forensic and toxicological conditions, develop them and find new medical resources.
- 1.13. Demonstrate awareness of his role in community development and environmental preservation.
- 1.14. Show model attitudes and professionalism.**
- 1.15. Function as teacher in relation to colleagues, medical students and other health professions with concomitant lifelong learning and maintenance of competence and ability for continuous medical education in forensic medicine and clinical toxicology.



## **2. Academic Standards:**

### **2.1. Knowledge and understanding:**

*By the end of MD program, candidate should be able to recognize and understand the followings:*

- 2.1.1. Recent advances, areas under research as well as the basic principles and theories in the field of forensic science, clinical toxicology and analytical toxicology.
- 2.1.2. Scientific research ethics, research methodology & research design; basic including principles of research, how research is conducted, evaluated, explained to patients, and applied to patient care.
- 2.1.3. Legal and medicolegal aspects in practice of clinical toxicology and forensic medicine as well as the medical ethics and responsibility.
- 2.1.4. Principles and basic concepts of quality in professional practice including planning, improvement of performance and control of practicing outcomes.
- 2.1.5. Knowledge related to environmental development, patient safety, safe occupational practice, serving communities and research results in improving public health outcomes.

### **2.2. Intellectual skills:**

*By the end of MD program, candidate should be able to recognize and mastering the following skills:*

- 2.2.1. Medical data analysis, interpretation, evaluation and proper therapy choice.
- 2.2.2. Medical problem solving and Evidence-based medicine according to the available medical data.2.2.9
- 2.2.3. Participation in research development and innovation.
- 2.2.4. Scientific paper reviewing and editing.
- 2.2.5. Risk assessment in medical practice.
- 2.2.6. Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology.
- 2.2.7. Decision making skills in different professional situations.
- 2.2.8. Development, innovation and medical breakthrough.
- 2.2.9. Evidence based discussion.

### **2.3. Practical/Professional skills:**

*By the end of MD program, candidate should accept & apply the following skills:*

- 2.3.1. Professionalism and up to date medical practice in the field of forensic medicine and clinical toxicology.
- 2.3.2. Medical and medicolegal reports writing and evaluation.



- 2.3.3. Ability to investigate and evaluate their diagnostic and investigational tools, to continuously improve patient care based.
- 2.3.4. Effective use of Internet Technology and healthcare information system in medical practice and patient medical records to optimize learning; and participate in the education of patients, families, students, residents and other health professionals.
- 2.3.5. Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology practice.

#### **2.4. General and transferable skills:**

*By the end of MD program, candidate should be able to:*

- 2.4.1. Effective Interpersonal and communication skills that result in the exchange of information and collaboration with patients, their families, and health professionals.
- 2.4.2. Use of Internet Technology and healthcare information system in medical practice.
- 2.4.3. Teaching and evaluation skills of the others as senior staff.
- 2.4.4. Self-appraisal and needs evaluation.
- 2.4.5. Accessibility to specialty-specific and other appropriate reference materials in print or in electronic format.
- 2.4.6. Teamwork/leadership.
- 2.4.7. Time management and meeting organization.

اعتماد مجلس القسم رقم (247) ، بتاريخ ٩/٥ / ٢٠١٣



## ملحق ٢: مصفوفة مضاهاة المعايير الأكاديمية للبرنامج و أهداف و نواتج تعلم البرنامج

أهداف البرنامج	المعايير الأكاديمية للبرنامج (مواصفات الخريج)
<b>1.1.Acquire</b> Detailed and advanced knowledge and skills necessary for practicing and adding new concepts in forensic medicine, and clinical toxicology.	<b>1.2. 1.5.</b>
<b>1.2.Integrate</b> the medical data of forensic medicine and toxicology properly in the service of justice.	<b>1.3., 1.6., 1.8.</b>
<b>1.3.Accept</b> decision making capabilities in different situation related to forensic medicine and clinical toxicology.	<b>1.11.</b>
<b>1.4.Percept</b> lifelong learning competencies necessary for continuous professional development; self-learning and basis of medical research in field of forensic medicine & clinical toxicology.	<b>1.1., 1.15.</b>
<b>1.5.Function</b> as leader of a team to provide patient care that is appropriate for dealing with health problems and health promotion.	<b>1.10</b>
<b>1.6. Create</b> solutions for health problems facing him/her during practicing forensic medicine & clinical toxicology.	<b>1.5., 1.6., 1.8., 1.12, 1.13</b>
<b>1.7. Accept</b> communication and interpersonal skills necessary for effective information exchange with patients and their families and with other health professions.	<b>1.10.</b>
<b>1.8. Acquire</b> professionalism and attitudes in relation to colleagues, medical students and other health professions.	<b>1.14</b>
<b>1.9. Show</b> awareness of decision making capabilities in different situation related to forensic medicine and clinical toxicology.	<b>1.11.</b>
<b>1.10. Use</b> recent technologies to improve his practice in	<b>1.9.</b>



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.
						√	√	√	√	√	المعرفة و الفهم: <i>By the end of MD program, candidate should be able to understand the followings:</i> 2.1.1. Recent advances, areas under research as well as the basic principles and theories in the field of forensic science, clinical toxicology and analytical toxicology.
					√						2.1.2. Scientific research ethics, research methodology & research design; basic including principles of research, how research is conducted, evaluated, explained to patients, and applied to patient care.
					√						2.1.3. Legal and medicolegal aspects in practice of clinical toxicology and forensic medicine as well as the medical ethics and responsibility.
	√										2.1.4. Principles and basic concepts of quality in professional practice including planning, improvement of performance and control of practicing outcomes.
		√									2.1.5. Knowledge related to environmental development, patient safety, safe occupational practice, serving communities





											professional situations.
√											2.2.8. Development, innovation and medical breakthrough.
	√			√							2.2.9. Evidence based discussion.

نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج المهارات المهنية								
Practical/Professional skills																		
											2.c.1.	2.c.2.	2.c.3.	2.c.4.	2.c.5.	2.c.6.	2.c.7.	
										√	√		√	√	√	√		Professionalism and up to date medical practice in the field of forensic medicine and clinical toxicology.
											√			√				Medical and medicolegal reports writing and evaluation.
												√						Ability to investigate and evaluate their diagnostic and investigational tools, to continuously improve patient care based.
												√						Effective use of Internet Technology and healthcare information system in medical practice and patient medical records to optimize learning; and participate in the education of patients, families, students, residents and other health professionals.
												√						Planning for improvement of professional performance in the field of forensic





ملحق ٣: المعايير القياسية العامة لبرامج قطاع الدراسات العليا

برامج الدكتوراة

- ١- مواصفات الخريج :
  - ١ ١ خريج برنامج الدكتوراة في اي تخصص يجب ان يكون قادرا على
  - ١ ٢ اتقان اساسيات ومنهجيات البحث العلمي
  - ١ ٣ العمل المستمر على الاضافة للمعارف في مجال التخصص
  - ١ ٤ تطبيق المنهج التحليلي والناقد للمعارف في مجال التخصص والمجالات ذات العلاقة
  - ١ ٥ دمج المعارف المتخصصة مع المعارف ذات العلاقة مستنبطا ومطورا للعلاقات البيئية بينها
  - ١ ٦ اظهار وعيا عميقا بالمشاكل الجارية والنظريات الحديثة في مجال التخصص
  - ١ ٧ تحديد المشكلات المهنية وايجاد حلولاً مبتكرة لحلها
  - ١ ٨ اتقان نطاقا واسعا من المهارات المهنية في مجال التخصص
  - ١ ٩ التوجه نحو تطوير طرق وادوات واساليب جديدة للمزاولة المهنية
  - ١ ١٠ استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسة المهنة
  - ١ ١١ التواصل بفاعلية وقيادة فريق عمل في سياقات مهنية مختلفة
  - ١ ١٢ اتخاذ القرار في ضل المعلومات المتاحة
  - ١ ١٣ توظيف الموارد المتاحة بكفاءة وتنميتها والعمل على ايجاد موارد جديدة
  - ١ ١٤ الوعي بدوره في تنمية المجتمع والحفاظ على البيئة
  - ١ ١٥ التصرف بما يعكس الالتزام بالنزاهة والمصداقية وقواعد المهنة
  - ١ ١٦ الالتزام بالتنمية الذاتية المستمرة ونقل علمه وخبراته للآخرين

٢- المعايير القياسية

- ٢-١ المعرفة والفهم
- ٢-١ بانتهاء دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على الفهم والدراية بكل من
- ٢-١-١ النظريات والاساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة
- ٢-١-٢ اساسيات ومنهجيات و اخلاقيات البحث العلمي وادواته المختلفة
- ٢-١-٣ المبادئ الاخلاقية والقانونية للممارسة المهنية في مجال التخصص
- ٢-١-٤ مبادئ واساسيات الجودة في الممارسة في مجال التخصص
- ٢-١-٥ المعارف المتعلقة بأثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها

## ٢-٢ المهارات الذهنية

بانتهاج دراسة برنامج الدكتوراه يجب ان يكون الخريج قادرا على  
٢-٢-١ تحليل وتقييم المعلومات في مجال التخصص والقياس عليها والاستنباط  
منها

٢-٢-٢ حل المشاكل المتخصصة استنادا على المعطيات المتاحة

٢-٢-٣ اجراء دراسات بحثية تضيف الى المعارف

٢-٢-٤ صياغة أوراق علمية

٢-٢-٥ تقييم المخاطر في الممارسات المهنية

٢-٢-٦ التخطيط لتطوير الاداء في مجال التخصص

٢-٢-٧ اتخاذ القرارات المهنية في سياقات مهنية مختلفة

٢-٢-٨ الابتكار/الابداع

٢-٢-٩ الحوار والنقاش المبني على البراهين والادلة

## ٢-٣ المهارات المهنية

بانتهاج دراسة برنامج الدكتوراه يجب ان يكون الخريج قادرا على

٢-٣-١ اتقان المهارات المهنية الاساسية والحديثة في مجال التخصص

٢-٣-٢ كتابة وتقييم التقارير المهنية

٢-٣-٣ تقييم وتطوير الطرق والادوات القائمة في مجال التخصص

٢-٣-٤ استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية

٢-٣-٥ التخطيط لتطوير الممارسة المهنية وتنمية اداء الاخرين

## ٢-٤ المهارات العامة والمنتقلة

بانتهاج دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على

٢-٤-١ التواصل الفعال بأنواعه المختلفة

٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم تطوير الممارسة المهنية

٢-٤-٣ تعليم الاخرين وتقييم ادائهم

٢-٤-٤ التقييم الذاتي والتعليم المستمر

٢-٤-٥ استخدام المصادر المختلفة للحصول على المعلومات والمعارف

٢-٤-٦ العمل في فريق وقيادة فرق العمل

٢-٤-٧ ادارة اللقاءات العلمية والقدرة على ادارة الوقت



**ملحق ٤ : 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 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](mailto:debbie.hellings@monash.edu) or [debbieh@vifm.org](mailto: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:

- a. Identify, classify and interpret both body and genital injuries sustained by a sexual assault victim;
- b. Understand the incidence and prevalence of injury patterns;
- c. 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;
- d. 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;
- e. Communicate effectively with other agencies involved in the management of a sexual assault case including the handling of sensitive information;
- f. Identify special circumstances in which sexual assault occurs and be able to teach and responding to community attitudes surrounding these issues;
- g. Critically analyse the role of the health professional in a sexual assault case and the complexities associated with this role; and
- h. 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](mailto:debbie.hellings@monash.edu) or [debbieh@vifm.org](mailto: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 braches 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 ٥: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية العامة

- مواصفات الخريج:

مواصفات الخريج بالمعايير الأكاديمية للبرنامج	مواصفات الخريج بالمعايير القياسية العامة لبرامج الدراسات العليا (درجة الدكتوراة)
1.1. Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in forensic medicine and clinical toxicology.	١.١. إتقان أساسيات ومنهجيات البحث العلمي
1.2. Have continuous ability to add knowledge new developments to forensic medicine and clinical toxicology through research and publication	١.٢. العمل المستمر على الإضافة للمعارف في مجال التخصص
1.3. Appraise and utilize scientific knowledge to continuously update and improve forensic medicine & clinical toxicology practice and relevant basic sciences.	١.٣. تطبيق المنهج التحليلي والناقد للمعارف في مجال التخصص والمجالات ذات العلاقة
1.4. Acquire excellent level of medical knowledge in the basic biomedical, clinical, behavioral and clinical sciences, medical ethics and apply such knowledge in patient care in forensic medicine and clinical toxicology.	١.٤. دمج المعارف المتخصصة مع المعارف ذات العلاقة مستتباً ومطوراً للعلاقات البيئية بينها
1.5. Demonstrate in depth awareness of public health and health policy issues and share in system-based improvement of health care.	١.٥. اظهار وعيا عميقا بالمشاكل الجارية والنظريات الحديثة في مجال التخصص
1.6. Identify and create solutions for health problems in forensic medicine and clinical toxicology.	١.٦. تحديد المشكلات المهنية وإيجاد حلولاً مبتكرة لحلها
1.7. Acquire an in depth understanding of common areas of forensic medicine and clinical toxicology from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in these areas.	1.7. إتقان نطاقاً واسعاً من المهارات المهنية في مجال التخصص



1.8. Function effectively to provide patient care that is appropriate, compassionate for dealing with health problems and health promotion.	1.8. التوجة نحو تطوير طرق وادوات واساليب جديدة للمزاولة المهنية
1.9. Use recent technologies to improve his practice in forensic medicine and clinical toxicology.	1.9. استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسة المهنة
1.10. Demonstrate leadership competencies including interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.	1.10. التواصل بفاعلية وقيادة فريق عمل في سياقات مهنية مختلفة
1.11. Master decision making capabilities in different situation related to forensic medicine and clinical toxicology.	1.11. اتخاذ القرار في ضل المعلومات المتاحة
1.12. Employee the available medical data effectively obtained during diagnosis of different forensic and toxicological conditions, develop them and find new medical resources.	1.12. توظيف الموارد المتاحة بكفاءة وتنميتها والعمل على ايجاد موارد جديدة
1.13. Demonstrate awareness of his role in community development and environmental preservation.	1.13. الوعي بدوره في تنمية المجتمع والحفاظ على البيئة
1.14. Show model attitudes and professionalism.	1.14. التصرف بما يعكس الالتزام بالنزاهة والمصداقية وقواعد المهنة
1.15. Function as teacher in relation to colleagues, medical students and other health professions with concomitant lifelong learning and maintenance of competence and ability for continuous medical education in forensic medicine and clinical	1.15. الالتزام بالتنمية الذاتية المستمرة ونقل علمه وخبراته للآخرين



toxicology.	
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أ - المعرفة والفهم:

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الدكتوراة)
2.1.1.Recent advances, areas under research as well as the basic principles and theories in the field of forensic science, clinical toxicology and analytical toxicology.	بانتهاج دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على الفهم والدراية بكل من: ١-١-٢ النظريات والاساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة
2.1.2.Scientific research ethics, research methodology & research design; basic including principles of research, how research is conducted, evaluated, explained to patients, and applied to patient care.	٢-١-٢ اساسيات ومنهجيات واخلاقيات البحث العلمي وادواته المختلفة.
2.1.3.Legal and medicolegal aspects in practice of clinical toxicology and forensic medicine as well as the medical ethics and responsibility.	٣-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية في مجال التخصص
2.1.4.Principles and basic concepts of quality in professional practice including planning, improvement of performance and control of practicing outcomes.	٤-١-٢ مبادئ واساسيات الجودة في الممارسة في مجال التخصص



2.1.5. Knowledge related to environmental development, patient safety, safe occupational practice, serving communities and research results in improving public health outcomes.	٥-١-٢ المعارف المتعلقة بأثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها
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ب - القدرات الذهنية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الدكتوراة)
2.2.1. Medical data analysis, interpretation, evaluation and proper therapy choice.	بانتهاؤ دراسة برنامج الدكتوراه يجب ان يكون الخريج قادرا على: ١-٢-٢ تحليل وتقييم المعلومات في مجال التخصص والقياس عليها والاستنباط منها
2.2.2. Medical problem solving and Evidence-based medicine according to the available medical data.2.2.9	٢-٢-٢ حل المشاكل المتخصصة استنادا على المعطيات المتاحة
2.2.3. Participation in research development and innovation.	٣-٢-٢ اجراء دراسات بحثية تضيف الى المعارف
2.2.4. Scientific paper reviewing and editing.	٤-٢-٢ صياغة أوراق علمية
2.2.5. Risk assessment in medical practice.	٥-٢-٢ تقييم المخاطر في الممارسات المهنية
2.2.6. Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology.	٦-٢-٢ التخطيط لتطوير الاداء في مجال التخصص
2.2.7. Decision making skills in different professional situations.	٧-٢-٢ اتخاذ القرارات المهنية في سياقات مهنية مختلفة



2.2.8. Development, innovation and medical breakthrough.	٨-٢-٢ الابتكار/الابداع
2.2.9. Evidence based discussion.	٩-٢-٢ الحوار والنقاش المبني على البراهين والادلة

ج. مهارات مهنية وعملية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الدكتوراة)
2.3.1. Professionalism and up to date medical practice in the field of forensic medicine and clinical toxicology.	بانتهاج دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على: ١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة في مجال التخصص
2.3.2. Medical and medicolegal reports writing and evaluation.	٢-٣-٢ كتابة وتقييم التقارير المهنية
2.3.3. Ability to investigate and evaluate their diagnostic and investigational tools, to continuously improve patient care based.	٣-٣-٢ تقييم وتطوير الطرق والادوات القائمة في مجال التخصص
2.3.4. Effective use of Internet Technology and healthcare information system in medical practice and patient medical records to optimize learning; and participate in the education of patients, families, students, residents and other health professionals.	٤-٣-٢ استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية
2.3.5. Planning for improvement of professional performance in the field of forensic medicine and clinical toxicology practice.	٥-٣-٢ التخطيط لتطوير الممارسة المهنية وتنمية اداء الاخرين

د . مهارات عامة :



المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) لبرامج الدراسات العليا (درجة الدكتوراة)
2.4.1.Effective Interpersonal and communication skills that result in the exchange of information and collaboration with patients, their families, and health professionals.	بانتهاؤ دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على: ١ ٤ ٢ التواصل الفعال بأنواعه المختلفة
2.4.2.Use of Internet Technology and healthcare information system in medical practice.	٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم تطوير الممارسة المهنية
2.4.3.Teaching and evaluation skills of the others as senior staff.	٢ ٤ ٢ تعليم الاخرين وتقييم ادائهم
2.4.4.Self-appraisal and needs evaluation.	٤ ٤ ٢ التقييم الذاتى والتعليم المستمر
2.4.5.Accessibility to specialty-specific and other appropriate reference materials in print or in electronic format.	٥-٤-٢ استخدام المصادر المختلفة للحصول على المعلومات والمعارف
2.4.6.Teamwork/leadership.	٦ ٤ ٢ العمل فى فريق وقيادة فرق العمل
2.4.7.Time management and meeting organization.	٧-٤-٢ ادارة اللقاءات العلمية والقدرة على ادارة الوقت



ملحق ٧ : Program-Courses ILOs Matrix

المعارف 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	
					■					FORE701	Anatomy •
					■					FORE702	Histology •
					■					FORE703	Physiology •
					■					FORE704	Pathology •
				■						FORE705	Medical ethics •
			■							FORE706	Medical statistics •
		■								FORE707	General medicine •
■	■						■	■	■	FORE708	Forensic medicine •
■	■					■				FORE709	Clinical toxicology •

مهارات ذهنية Intellectual Skills										ILOs		
11	10	B9	B8	2.b.7	2.b.6	2.b.5	2.b.4	2.b.3	2.b.2	2.b.1	Courses & codes	
					■						FORE701	Anatomy •
					■						FORE702	Histology •
					■						FORE703	Physiology •
					■						FORE704	Pathology •
		■									FORE705	Medical ethics •
						■					FORE706	Medical statistics •
			■				■		■	■	FORE707	General medicine •
■	■					■	■	■	■		FORE708	Forensic medicine •
■			■	■		■	■	■	■	■	FORE709	Clinical toxicology •



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	
	■		■					FORE701	Anatomy •
								FORE702	Histology •
								FORE703	Physiology •
	■							FORE704	Pathology •
								FORE705	Medical ethics •
		■						FORE706	Medical statistics •
							■	FORE707	General medicine •
		■	■	■	■	■		FORE708	Forensic medicine •
		■				■	■	FORE709	Clinical toxicology •

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	
							■	FORE701	Anatomy •
							■	FORE702	Histology •
							■	FORE703	Physiology •
							■	FORE704	Pathology •
	■						■	FORE705	Medical ethics •
							■	FORE706	Medical statistics •
	■	■	■	■			■	FORE707	General medicine •
■	■	■	■	■	■	■	■	FORE708	Forensic medicine •
■	■	■	■	■	■	■	■	FORE709	Clinical toxicology •