

## Module Specification

### Module Summary Information

<b>1</b>	<b>Module Title</b>	Introduction to Lower Gastro-Intestinal Endoscopy
<b>2</b>	<b>Module Credits</b>	40
<b>3</b>	<b>Module Level</b>	LEVEL 7
<b>4</b>	<b>Module Code</b>	LBR7694
<b>5</b>	<b>Semester Taught</b>	Both

<b>6</b>	<b>Module Overview</b>
<p>This module aims to facilitate the development of a safe and effective Clinical Endoscopist (CE), by equipping the student with the knowledge and skills to perform lower gastro-intestinal endoscopy and polypectomy to a level appropriate for endoscopy practice, incorporating the professional attributes that underpin an advanced practice role.</p> <p>This module aligns with the Professional Practice Programme philosophy and is designed to be flexible and practice-led. You will have the opportunity to develop skills of enquiry, reflection and problem solving. A blended learning approach is taken in line with the university's learning and teaching strategy. You will be encouraged to think critically and share practice experiences with your fellow students, as well as engaging in both directed and self-directed learning activities. You will be an active partner in your own learning and development and in return you will receive regular feedback and feedforward aimed at developing your academic skills and have the opportunity to discuss your progress with the module team.</p>	

<b>7</b>	<b>Indicative Content</b>
<ul style="list-style-type: none"> <li>• The principles and practice of Clinical Endoscopy</li> <li>• Anatomy &amp; physiology of the lower gastro-intestinal tract.</li> <li>• Bowel cancer and polyps: epidemiology, aetiology, pathology, investigations, diagnosis, treatments and outcomes</li> <li>• Lower gastro-intestinal screening and surveillance guidelines for cancer, adenomas and serrated lesions</li> <li>• The principles and practice of National Bowel Cancer Screening Programmes (BCSP)</li> <li>• Lesion recognition, detection and excision of polyps</li> <li>• Pharmacology for lower gastro-intestinal endoscopy and safe sedation practice</li> <li>• Medico-legal issues and ethical implications including consent/communication skills</li> <li>• Physical assessment, history taking and clinical examination</li> <li>• Indications for lower gastro-intestinal endoscopy, principals of pre-assessment, patient selection, risk management, co morbidity issues and preparation for endoscopy</li> <li>• The causes of rectal bleeding and their management</li> <li>• The assessment, differential diagnosis and investigation of diarrhoea</li> </ul>	

- Bowel preparation: optimisation, contraindications and complications
- Understanding functional disorders of the lower gastro-intestinal tract
- Inflammatory Bowel Diseases (IBD): differential diagnosis, treatment principles and surveillance
- The presentation and management of Infective and inflammatory colorectal disorders (other than Idiopathic Inflammatory Bowel Disease)
- Understands the role of lower gastro-intestinal endoscopy in the investigation of anaemia
- Understand the role of imaging and gastro-intestinal physiology in the assessment of lower gastro-intestinal disease
- An introduction to the genetics of colorectal cancer
- Understanding quality assurance in lower gastro-intestinal endoscopy
- Improving Safety and Reducing Error in Endoscopy (ISREE), human factors, non-technical and technical skills associated with lower gastro-intestinal endoscopy
- Pathophysiology and histopathology of the lower gastro-intestinal tract
- Therapeutic lower gastro-intestinal endoscopy practice – biopsy, pathology specimens and polypectomy
- Emergency management and complications during lower gastro-intestinal endoscopy
- Health promotion and management for the lower gastro-intestinal endoscopy patient
- Professional issues and advanced practice
- Role development, continuing education and career pathways for Clinical Endoscopists

<b>8</b>	<b>Module Learning Outcomes</b>
	<b>On successful completion of the module, students will be able to:</b>
	<b>1</b> Utilising academic skills, retrieve and apply appropriate evidence and knowledge to formulate critical debate required at level 7.
	<b>2</b> Demonstrate a critical understanding of the broadened level of responsibility and autonomy of the advanced practice role and the professional scope of practice set within legal, ethical, professional and organisational governance.
	<b>3</b> Critically examine the principles and practice of the Clinical Endoscopist role and critically apply knowledge of the key concepts involved in advanced clinical reasoning and decision making.
	<b>4</b> Critically appraise the evidence base underpinning the Clinical Endoscopist role in relation to consent, effective patient report writing, legal, regulatory and ethical aspects of advanced practice.
	<b>5</b> Obtain relevant information by history taking, physical assessment and examination of a patient's clinical records and synthesise this information to guide interpretation of endoscopic findings.
	<b>6</b> Acquire and synthesise all necessary evidence relevant to practice to effectively manage patients with individual or complex comorbidities when presenting for lower gastro-intestinal endoscopy and polypectomy.

	<b>7</b>	Interpret endoscopic findings based on knowledge of the anatomy, physiology and pathophysiology of the lower gastrointestinal tract and synthesise this information to formulate a differential diagnosis, recommend further investigations and develop an evidence-based management plan.
--	----------	--

<b>9 Module Assessment</b>			
<b>Learning Outcome Number</b> <i>(from table 8)</i>	<b>Coursework</b>	<b>Exam</b>	<b>In-Person</b>
<b>1</b>	<b>100%</b>		
<b>2</b>	<b>100%</b>		
<b>3</b>	<b>100%</b>		
<b>4</b>	<b>100%</b>		
<b>5</b>	<b>100%</b>		
<b>6</b>	<b>100%</b>		
<b>7</b>	<b>100%</b>		

<b>10 Breakdown Learning and Teaching Activities</b>		
<b>Learning Activities</b>	<b>Hours</b>	<b>Details of Duration, Frequency and other comments</b>
<b>Scheduled Learning (SL)</b> includes lectures, practical classes and workshops as specified in timetable	<b>80</b>	9x 8 hour taught sessions 1x 8 hour for individual/group tutorials
<b>Directed Learning (DL)</b> includes placements, work-based learning, peer group learning external visits, on-line activity, Graduate+, peer learning, as directed on VLE	<b>30</b>	1x 8 hours peer group learning 22 hours online activities
<b>Private Study (PS)</b> includes preparation for exams	<b>290</b>	These timings are approximate, and the frequency will be dictated by the student  50 hours for Moodle engagement, 30 hours for literature searching 40 hours for supplementary reading and clinical consolidation 20 hours for developing academic skills 150 hours for preparation of formative and summative assessments

<b>Total Study Hours:</b>	<b>400</b>
---------------------------	------------

<b>11</b>	<b>Key Texts and Online Learning Resources</b>
-----------	--

Cohen, J. (2011) Successful training in Gastrointestinal Endoscopy: Training guidelines and DVD, Oxford: Wiley-Blackwell.

Haycock, A. Cohen, J., Saunders, B.P., Cotton, P.B., Williams, C.B. eds (2014) Cotton and Williams' Practical Gastrointestinal Endoscopy: The Fundamentals 7th edn. Oxford: Wiley-Blackwell.

McHale, J. and Tingle, J. (2007) Law and Nursing 3rd edn. Edinburgh: Churchill-Livingstone Elsevier.

Montgomery, E.A. and Voltaggio, L. (2012) Biopsy interpretation of the gastrointestinal tract mucosa: Neoplastic Second Edition (Biopsy Interpretation Series). Wolters Kluwer Health Adis (ESP).

Norton, C., Nunwa, A., Taylor, C. and Whayman, K., eds (2008) Oxford Handbook of Gastrointestinal Nursing (Oxford Handbooks in Nursing) Oxford: Oxford University Press.

Palmer, D. and Kaur, S. (2003) Core Skills for Nurse Practitioners: A Handbook for Nurse Practitioners Chichester: Whurr.

Websites:

<http://hee.nhs.uk/work-programmes/diagnostics/endoscopy/>

<http://www.jets.nhs.uk/>

<http://www.thejag.org.uk/>

<http://jagaccreditation.org>

<http://bsg.org.uk>

<http://www.gastrolab.net/>

<http://rcoa.ac.uk>

<http://nice.org.uk>

<http://www.gastro-e-learn.com>

<http://gastrotraining.com/>