ROBERT GORDON UNIVERSITY ABERDEEN

MODULE DESCRIPTOR

Module Title

Diagnostic Histology and Cytology

Reference	AS3504	Version	1
Created	September 2017	SCQF Level	SCQF 9
Approved	February 2018	SCQF Points	15
Amended		ECTS Points	7.5

Aims of Module

To provide students with the ability to explain the techniques, methods and role of histopathology in the diagnosis and treatment of disease.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Demonstrate knowledge of the diagnostic value of specialised procedures such as histochemistry, immunocytochemistry and electron microscopy.
2	Explain the use of cytological specimens to diagnose disease.
3	Distinguish between the gross structure and ultrastructure of cells and tissues in the normal and diseased state.

Indicative Module Content

Histopathology and Histochemistry: specialized procedures and staining. Immunocytochemistry: use of tumour markers and applications of molecular techniques. Electron Microscopy: applications in the diagnosis of disease. Cytopathology: screening programmes; recognition of cell types and changes brought about by disease. Diagnostic Cytopathology: recognition of cell types in respiratory specimens and body fluids, fine needle aspiration. Histopathology: the general basis of disease, the changes in cells and tissues associated with inflammation, thrombosis, infarction and tumours. The applications of the above techniques and knowledge to aid diagnosis and treatment selection.

Module Delivery

This is a lecture based course supplemented with tutorial sessions, case studies, laboratory work and practical demonstrations.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	40	N/A
Non-Contact Hours	110	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Examination	Weighting:	100%	Outcomes Assessed:	1, 2, 3
Description:	Unseen, closed book examination.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

This module is assessed using the one component detailed in the Assessment Plan. To pass this module, candidates must achieve a grade D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
A	Final mark of 70% or greater
B	Final mark of between 60-69%
C	Final mark of between 50-59%
D	Final mark of between 40-49%
E	MARGINAL FAIL. Final mark of between 35-39%
F	Fail. Final mark of 34% or lower
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of Stage 2 of the course, or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1. SUVARNA, K., et al. Bancroft?s Theory and Practice of Histological Techniques. Current Edition. Churchill Livingstone.

2. GRAY, W. and KOCJAN, G. *Diagnostic Cytopathology.* Current Edition. Churchill Livingstone.

3. YOUNG,B., et al. *Wheater's Basic Pathology: A Text, Atlas and Review of Histopathology.* Current Edition. Churchill Livingstone.

4. KIERNAN, J.A. *Histological and Histochemical Methods: Theory and Practice.* Current Edition. Scion Publishing

5. COOK, D.J. and WARREN, P.J. *Cellular Pathology.* Current Edition. Scion Publishing.

6. SHAMBAYATI, B. *Cytopathology* Current Edition. Oxford University Press.

7. ORCHARD, G. and NATION, B. *Histopathology* Current Edition. Oxford University Press.