

| Module Details         |                                     |
|------------------------|-------------------------------------|
| <b>Module Title:</b>   | Applications of Cytopathology       |
| <b>Module Code:</b>    | BIS6020-A                           |
| <b>Academic Year:</b>  | 2019-20                             |
| <b>Credit Rating:</b>  | 10                                  |
| <b>School:</b>         | School of Chemistry and Biosciences |
| <b>Subject Area:</b>   | Biomedical Science                  |
| <b>FHEQ Level:</b>     | FHEQ Level 6                        |
| <b>Pre-requisites:</b> |                                     |
| <b>Co-requisites:</b>  |                                     |

| Contact Hours  |       |
|----------------|-------|
| Type           | Hours |
| Tutorials      | 5     |
| Laboratory     | 20    |
| Directed Study | 75    |

| Availability |                                                 |
|--------------|-------------------------------------------------|
| Occurrence   | Location / Period                               |
| BDA          | University of Bradford / Semester 1 (Sep - Jan) |

| Module Aims                                                                                                                                                                                                                                         |
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| The aim of this module is for the student to understand and gain experience of the application and delivery of a range of core and specialised methods and techniques and to understand their importance in the clinical investigation of patients. |

| Outline Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pathogenesis and clinical presentation of cervical cancer. Techniques used in screening for neoplastic conditions of the cervix. Tests used to confirm the diagnosis and manage treatment of cervical neoplasia. Role of the cervical cytology laboratory in the prevention of cervical cancer. Tests for the diagnosis of non-cervical gynaecological malignancy (endometrium, ovary etc). Pathogenesis clinical presentation and cytopathological diagnosis of cancer of the respiratory |

tract, urinary tract and serous cavities. Sampling and preparation techniques used in non-gynaecological cytology. Special investigative methods applied to common gynaecological and non-gynaecological conditions, including special stains, immunocytochemistry and molecular techniques.

### Learning Outcomes

|    |                                                                                                                                                                                            |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Demonstrate an understanding of and experience in the application of cytopathology methods and techniques and illustrate their value in relevant areas of clinical practice.               |
| 10 | Communicate clearly and concisely with correct use of terminology to answer questions and discuss a specialist topic.                                                                      |
| 11 | Clarify factors which may influence the type and detail of advice you provide.                                                                                                             |
| 12 | Clearly convey information and results in detail.<br><br>HCPC competencies covered in this module include: 1.2, 3.3, 5.1, 9.1, 10, 13.3, 13.8, 13.9, 13.10                                 |
| 2  | Describe the pathogenesis and clinical presentation of cervical cancer.                                                                                                                    |
| 3  | Apply techniques used in screening for neoplastic conditions of the cervix.                                                                                                                |
| 4  | Analyse and evaluate tests used to confirm the diagnosis and manage treatment of cervical neoplasia and the role of the cervical cytology laboratory in the prevention of cervical cancer. |
| 5  | Analyse and evaluate tests for the diagnosis of non-cervical gynaecological malignancy.                                                                                                    |
| 6  | Describe the pathogenesis clinical presentation and cytopathological diagnosis of cancer of the respiratory tract, urinary tract and serous cavities.                                      |
| 7  | Evaluate special investigative methods applied to common gynaecological and non-gynaecological conditions, including special stains, immunocytochemistry and molecular techniques.         |
| 8  | Effectively manage your workload, resources and work successfully to a deadline.                                                                                                           |
| 9  | Demonstrate personal responsibility for self-directed learning and time management.                                                                                                        |

### Learning, Teaching and Assessment Strategy

This is a bespoke module using external lecturers and practitioners and will be delivered via intensive block teaching in situ in external NHS Trusts followed by assessment.

### Mode of Assessment

| Type      | Method         | Description                             | Length      | Weighting |
|-----------|----------------|-----------------------------------------|-------------|-----------|
| Summative | Coursework     | An piece of independent writing (essay) | -2500 words | 80%       |
| Summative | Classroom test | A paper-based MCQ assessment of the     | 1 hour      | 20%       |

|  |  |                                      |  |  |
|--|--|--------------------------------------|--|--|
|  |  | training delivered in the NHS Trust. |  |  |
|--|--|--------------------------------------|--|--|

## Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

*Please note:*

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*