

| Module Details |                                        |
|----------------|----------------------------------------|
| Module Title   | General and Ocular Pharmacology        |
| Module Code    | OPT5006-B                              |
| Academic Year  | 2022/3                                 |
| Credits        | 20                                     |
| School         | School of Optometry and Vision Science |
| FHEQ Level     | FHEQ Level 5                           |

| Contact Hours                  |       |
|--------------------------------|-------|
| Type                           | Hours |
| Lectures                       | 18    |
| Interactive Learning Objects   | 15    |
| Seminars                       | 1     |
| Practical Classes or Workshops | 3     |
| Directed Study                 | 153   |

| Availability |                                        |
|--------------|----------------------------------------|
| Occurrence   | Location / Period                      |
| BDA          | University of Bradford / Academic Year |

| Module Aims                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| To provide students with an introduction to the general principles of pharmacology and processes in pathology using ocular examples. To stimulate an understanding of ocular drug pharmaceuticals and their use in the primary care role of the optometrist. |

| Outline Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General principles of pharmacology. Factors affecting drug responses. Autonomic pharmacology. Pharmacology of the major classes of ocular drugs. Processes of general pathology. General pharmaceutical term, drug nomenclature. Preparation of signed orders for ophthalmic drugs Diagnostic stains, drugs used in diagnostics and therapeutics. Ocular drugs used in primary optometric care. Drugs used in secondary eye care. The laws pertaining to the supply and use of ocular drugs in the U.K. |

| Learning Outcomes |                                                                            |
|-------------------|----------------------------------------------------------------------------|
| Outcome Number    | Description                                                                |
| 01                | Describe the role of pharmaceutical agents in optometric practice.         |
| 02                | Explain the mechanisms of action of ocular drugs.                          |
| 03                | Analyse clinical information and select appropriate pharmaceutical agents. |
| 04                | Work together in small teams.                                              |
| 05                | Improve accuracy of data recording, analysis and interpretation.           |

| Learning, Teaching and Assessment Strategy                                            |
|---------------------------------------------------------------------------------------|
| This module is based on a lecture series, practical sessions and computer simulation. |

| Mode of Assessment |                          |                                                                                        |           |
|--------------------|--------------------------|----------------------------------------------------------------------------------------|-----------|
| Type               | Method                   | Description                                                                            | Weighting |
| Summative          | Computerised examination | Closed book unseen computerised examination based on semester 1 + 2 material (2 hours) | 100%      |

| Reading List                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| To access the reading list for this module, please visit <a href="https://bradford.rl.talis.com/index.html">https://bradford.rl.talis.com/index.html</a> |

*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.*