ASTON UNIVERISTY PROGRAMME SPECIFICATION 2012-13

Programme Title	Master of Pharmacy
UCAS/JACS Code	B230
School/Subject Area	School of Life and Health Sciences / School of Pharmacy
Final Award	MPharm
Interim Award(s)	Certificate in Higher Education (Year 1) Diploma in Higher Education (Year 2) BSc in Pharmaceutical Studies (Year 3)
Mode(s) of Study	Full time
Normal Length of Programme	Four Years
Total Credits	480
Programme Accredited By	The General Pharmaceutical Council (GPhC)
Dates Programme Specification Written and Revised	Written June 2005 Revised July 2011 Revised August 2012

Educational Aims of the Programme	1. To provide relevant, timely and challenging education, within a supportive environment, which integrates the scientific, clinical and professional aspects of appropriate pharmaceutical disciplines, in order to provide a comprehensive introduction to pharmaceutical knowledge. 2. To ensure the care, well being and safety of patients is paramount, by developing procedures for safe and effective practice. 3. To develop student abilities to safely design, undertake and interpret practical experiments, interpret and critically assess relevant evidence based information and health policy in order to promote healthy lifestyle and to assemble and evaluate the appropriateness of medicine regimens, optimising management plans for individuals in collaboration with colleagues, patients and other health professionals. 4. To develop effective communication skills, both oral and written, to ensure best outcomes for patients which respect their wishes and the maintenance of accurate records. 5. To procure, supply, distribute and dispose of medicines safely within legal requirements and best professional practice. 6. To develop the knowledge, skills and qualities which will allow students to progress through pre-registration training in order to practice as Pharmacists in all branches of the profession and to provide a base for a continued involvement in life-long learning.

Relevant Subject Benchmark Statements and other External and Internal Reference Points used to Inform Programme Outcomes	• Future Pharmacists – Standards for the initial education and training of pharmacists (2011). • RPSGB. The principles of pharmacy education and training (2009) • RPSGB. Outline curriculum for training programme to prepare pharmacist prescribers (2006) • Pharmacy Programme Committee • QAA Framework for Higher Education Qualifications (2008)

Programme Structures and Requirements:	**Credits, Level and Modules**			
STAGE I				
Module Title	**Credits**	**Level**	**Module Code**	**Core/ Elective**
Physiology	20	4	PH1401	Core
Cell and Molecular Biology	10	4	PH1402	Core
Pharmaceutical Calculations	10	4	PH1403	Core
Pharmaceutical Formulation I: Liquid Based Dosage Forms	20	4	PH1404	Core
Drug Molecules, Mechanisms and Analysis	20	4	PH1405	Core
Introduction to the Practice of Pharmacy	20	4	PH1406	Core
Introduction to Pharmaceutical Patient Care	10	4	PH1407	Core
Professional Studies: Effective Learning, Career Management and IT	10	4	PH1408	Core
TOTAL	120			

Programme Structures and Requirements:	**Credits, Level and Modules**			
STAGE II				
Module Title	**Credits**	**Level**	**Module Code**	**Core/ Elective**
Pharmacological Basis of Therapeutics	30	5	PH2501	Core
Pharmaceutical Microbiology: Pharmacogenomics/Genetics and Immunology	20	5	PH2502	Core
Medicines Optimisation through Formulation	20	5	PH2503	Core
Structural Identification and Biological Chemistry	20	5	PH2504	Core
Introduction to Clinical Pharmacy	10	5	PH2506	Core
Professional Workplace and Scientific Communication Skills	10	5	PH2507	Core
Medicine Supply: Law and Practice	10	5	PH2508	Core
TOTAL	120			

Programme Structures and Requirements:	**Credits, Level and Modules**
STAGE III	

Module Title	Credits	Level	Module Code	Core/ Elective
Neurophamacology	20	6	PH3601	Core
Chemotherapy and Selective Toxicity	10	6	PH3602	Core
Pharmaceutical Formulation III	20	6	PH3603	Core
Quality assured Pharmaceutical Technology: Aseptic parenteral and radio pharmaceutical delivery.	10	7	PH3704	Core
Medicinal Chemistry: (Analysis, Metabolism and Drug Discovery)	20	6	PH3605	Core
Pharmacy Law and Practice	20	6	PH3606	Core
Introduction to Applied Clinical Skills	10	6	PH3607	Core
Personal and professional development: preparing for your project and your pre-registration.	10	6	PH3608	Core
TOTAL	120			

Programme Structures and Requirements:	**Credits, Level and Modules**			
STAGE IV				
Module Title	**Credits**	**Level**	**Module Code**	**Core/ Elective**
Clinical Pharmaceutics and Drug Delivery	20	7	PH4701	Core
The Professional Pharmacist: Medical law and the public's health.	10	7	PH4702	Core
Practical therapeutics	40	7	PH4703	Core
Essential Skills: Research Project, Research Proposal.	40	7	PH4704	Elective
Interprofessional learning and working	10	7	PH4705	Core
TOTAL	120			

Programme Outcome Map for Learning, Teaching and Assessment Strategies mapping to Aston Universities Quality Assurance Framework.

A. <u>Knowledge and Understanding</u>			
	On successful completion of the Programme, students are expected to have knowledge and understanding of:	**Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated.**	
		Learning and Teaching Methods	**Assessment Methods**
1.	the discovery, synthesis, development, formulation, testing and quality control of medicines and how they are brought to the market place;	Lectures Tutorials Workshops Group Assignments Practical Classes Observed, Structured Clinical Exercises (OSCEs) Case Studies Directed Learning Problem-Based Learning (PBL) Computer-Aided Learning Blackboard-Based Support	Examination Module Tests Portfolio of Personal Development PBL Assessments Practical Reports Assessed Presentations Care Plans
2.	understand the application of molecular biology, microbiology and immunology to genetic and biochemical processes and to the preparation and supply of sterile medicines (asepsis) and the control of sterility within pharmaceutical products;		
3.	the theoretical and social basis of individual and public health, health care systems and the role of health care professionals, to be able to explain and critically appraise the unique contribution that a Pharmacist can make to patient care;		
4.	safe and effective prescribing and the role of the Pharmacist therein;		
5.	Law; legal and ethical system and codes pertaining to Pharmacy;		
6.	the purpose, benefits and requirements of lifelong learning and CPD.		

B. Intellectual Skills			
	On successful completion of the Programme, students are expected to be able to:	**Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated.**	
		Learning and Teaching Methods	**Assessment Methods**
1.	implement a structured approach for evaluation of patients' symptoms, leading to recognition of common disease states or iatrogenic effects and be able to make appropriate recommendations (including referral, prescribing, lifestyle advice or advice on medicines usage) to optimise patient care;	Lectures Tutorials Workshops Group Assignments Practical Classes Observed, Structured Clinical Exercises (OSCEs) Case Studies Problem-Based Learning (PBL) Final Year Project Supervision Directed Learning Computer-Aided Learning Blackboard-Based Support	Examination Module Tests Practical Reports PBL Assessments Patient Counselling Assessments Patient care plans Dispensing Practicals Project Thesis Observed, Clinical Exercises (OCEs)
2.	apply pharmaceutical knowledge in the development of a rational choice of therapy for the individual patient, that takes into account the evidence of clinical effectiveness, pharmacodynamic properties, side effects and possible interactions of drugs, pharmacoeconomic considerations, as well as any legal restrictions on supply;		
3.	develop and apply appropriate research methodologies in the design, planning and execution of projects and the collation, interpretation and communication of data and conclusions relevant to the natural, clinical or social sciences.		

C. **Professional Skills**			
	On successful completion of the Programme, students are expected to be able to:	**Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated.**	
		Learning and Teaching Methods	**Assessment Methods**
1.	interpret and evaluate prescriptions and other orders for medicines or devices and to respond in an appropriate, evidence-based manner that is focussed upon the best interests of the patient;	Lectures Tutorials Workshops Dispensing Practical Classes Observed, Structured Clinical Exercises (OSCEs) Case Studies Directed Learning Blackboard-Based Support	Examination Module Tests Dispensing Practicals Patient Counselling Exercises Patient care plans Observed, Clinical Exercises (OCEs)
2.	supply medicines in accordance with pharmaceutical knowledge, legislation and codes of professional conduct and practice;		
3.	demonstrate competence in the extemporaneous preparation of medicines appropriate for the requirements of contemporary Pharmacy Practice;		
4.	apply the principles of governance in all aspects of scientific and professional activities, including quality assurance mechanisms, standard operating procedures and the identification and analysis of risk;		
5.	prescribe safely and effectively as appropriate to their role as a Pharmacist.		

D. **Transferable Skills**			
	On successful completion of the Programme, students are expected to show:	**Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated.**	
		Learning and Teaching Methods	**Assessment Methods**
1.	competence in a range of IT skills and in the appropriate analysis of data;	Lectures Tutorials Workshops Group Assignments Practical Classes Observed, Structured Clinical Exercises (OSCEs) Final Year Project Supervision Blackboard-Based Support	IT Test Essays Seminar Presentations Other Assessed Presentations Patient Counselling Exercises Statistics Quizzes, SPSS Tests and Examination Poster Presentations and Defence Critical Review of Primary Literature Portfolio of Personal Development Practical Reports and Examinations Project Thesis Observed, Clinical Exercises (OCEs)
2.	an ability to communicate effectively and appropriately by oral and written means to individuals and groups and to work effectively as a member of a team;		
3.	competence in experimental design, data analysis, presentation, literature searching, critical reading and critical evaluation of data;		
4.	the ability to act independently and to be responsible for the management of their own study and learning, including the ability to identify their own learning requirements and therefore to plan and benefit from CPD and life long learning;		
5.	competence in a range of practical laboratory skills appropriate for a graduate in the pharmaceutical sciences.		

Programme Outcome Map specifically to the Future Pharmacists – Standards for the initial education and training of pharmacists standard 10.

Assessment levels are mapped to the specific scale 10.9 referenced by the General Pharmaceutical Council (Miller, G.E. (1990) The assessment of clinical skills/ competence/ performance. Acad Med 65: 563–7) with reference to 10.10 of the Future Pharmacists – Standards.

There is a realisation that modules contribute to the wider outcomes of the whole standards. Lower level modules will contribute to the overall meeting of standards through introducing the building blocks before building to a final level of assessment as part of a spiral approach across the programme years.

10.1 Expectations of a pharmacy professional

10.1a) Recognise ethical dilemmas and respond in accordance with relevant codes of conduct

Modules assessing or contributing to

Shows how level

PH1406 PH1408 PH2502
PH3603 PH3704 PH3606
PH4702 PH4703

10.1b) Recognise the duty to take action if a colleague's health, performance or conduct is putting patients or the public at risk

Modules assessing or contributing to

Knows how level

PH1406 PH1408 1st yr Programme PH2502 PH2508
2nd yr Programme PH3606
3rd yr Programme PH4702
4th yr Programme

10.1c) Recognise personal health needs, consult and follow the advice of a suitably qualified professional, and protect patients or the public from any risk posed by personal health

Modules assessing or contributing to

Does level

PH1406 PH1407 PH1408
1st yr Programme PH2508
2nd yr Programme PH3606
PH3607 3rd yr Programme
PH4703 4th yr Programme

10.1d) Apply the principles of clinical governance in practice

Modules assessing or contributing to

Knows how level

PH1406 PH2503 PH2508
PH3606 PH3607 PH4703

10.1e) Demonstrate how the science of pharmacy is applied in the design and development of medicines and devices

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1405
PH2501 PH2502 PH2503
PH2504 PH3601 PH3602
PH3603 PH3704 PH3605
PH3607 PH3608 PH4701
PH4704

10.1f) Contribute to the education and training of other members of the team, including peer review and assessment

Modules assessing or contributing to

Shows how level

PH1403 PH1404 PH1406
PH1408 PH2507 PH3603
PH4701 PH4705

10.1g) Contribute to the development of other members of the team through coaching and feedback

Modules assessing or contributing to

Knows how level

PH1403 PH1404 PH1408
PH2507 PH3603 PH3607
PH4701 PH4705

10.1h) Engage in multidisciplinary team working

Modules assessing or contributing to

Knows how level

PH1403 PH1404 PH1406
PH2508 PH2506 PH2507
PH3704 PH3606 PH3607
PH4703 PH4705

10.1i) Respond appropriately to medical emergencies, including provision of first aid

Modules assessing or contributing to

Knows how level

PH1407 PH2508 PH3606
PH4703

10.2 The skills required in practice

10.2.1 Implementing health policy

10.2.1a) Promote healthy lifestyles by facilitating access to and understanding of health promotion information

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1407
PH2507 PH3602 PH3704
PH3607 PH4702 PH4703

10.2.1b) Access and critically evaluate evidence to support safe, rational and cost-effective use of medicines

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1407
PH2502 PH2508 PH2506
PH2507 PH3601 PH3603
PH3606 PH3607 PH3608
PH4702 PH4703 PH4704
PH4705

10.2.1c) Use the evidence base to review current practice

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1407
PH2501 PH2502 PH2506
PH2507 PH3704 PH3607
PH3608 PH4702 PH4703
PH4704 PH4705

10.2.1d) Apply knowledge of current pharmacy-related policy to improve health outcomes

Modules assessing or contributing to

Knows how level

PH2507 PH3602 PH3607
PH3608 PH4702 PH4703
PH4705

10.2.1e) Collaborate with patients, the public and other healthcare professionals to improve patient outcomes

Modules assessing or contributing to

Knows how level

PH1406 PH1407 PH2503
PH2508 PH2506 PH3602
PH3606 PH4702 PH4703
PH4705

10.2.1f) Play an active role with public and professional groups to promote improved health outcomes

Modules assessing or contributing to

Knows how level

PH2506 PH4701 PH4703

10.2.1g) Contribute to research and development activities to improve health outcomes

Modules assessing or contributing to

Knows how level

PH1401 PH1402 PH1405
PH2501 PH2503 PH2504
PH3601 PH3602 PH3603
PH3608 PH4701 PH4704

10.2.1h) Provide evidence-based medicines information

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1403
PH1405 PH1406 PH1407
PH2501 PH2508 PH2507
PH3602 PH3603 PH3704
PH3606 PH3607 PH3608
PH4703 PH4705

10.2.2 Validating therapeutic approaches and supplying prescribed and over-the-counter medicines

10.2.2a) Identify and employ the appropriate diagnostic or physiological testing techniques in order to promote health

Modules assessing or contributing to

Knows how level

PH1401 PH2501 PH2502
PH3602 PH3704 PH4703

10.2.2b) Identify inappropriate health behaviours and recommend suitable approaches to interventions

Modules assessing or contributing to

Shows how level

PH1402 PH1407 PH1408
PH2501 PH2502 PH3602
PH3704 PH3607 PH4702
PH4703

10.2.2c) Instruct patients in the safe and effective use of their medicines and devices

Modules assessing or contributing to

Shows how level

PH1402 PH1406 PH1407
PH2501 PH2502 PH2503
PH2508 PH2507 PH3601
PH3602 PH3704 PH3606
PH3607 PH4701 PH4703

10.2.2d) Analyse prescriptions for validity and clarity

Modules assessing or contributing to

Shows how level

PH1406 PH2508 PH3704
PH3606 PH3607 PH4703

10.2.2e) Clinically evaluate the appropriateness of prescribed medicines

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1404
PH1405 PH1406 PH2501
PH2502 PH2503 PH2508
PH2506 PH3601 PH3602
PH3704 PH3605 PH3606
PH3607 PH4701 PH4703
PH4705

10.2.2f) Provide, monitor and modify prescribed treatment to maximise health outcomes

Modules assessing or contributing to

Shows how level

PH1401 PH1402 PH1406
PH2501 PH2503 PH2508
PH3602 PH3704 PH3606
PH3607 PH4703 PH4705

10.2.2g) Communicate with patients about their prescribed treatment
Modules assessing or contributing to
Shows how level
PH1401 PH1404 PH1406
PH1407 PH1408 PH2501
PH2503 PH2508 PH2506
PH2507 PH3602 PH3704
PH3606 PH3607 PH4703

10.2.2h) Optimise treatment for individual patient needs in collaboration with the prescriber
Modules assessing or contributing to
Shows how level
PH1404 PH1405 PH1406
PH1407 PH2501 PH2503
PH2508 PH2506 PH3602
PH3704 PH3606 PH3607
PH4703 PH4705

10.2.2i) Record, maintain and store patient data
Modules assessing or contributing to
Shows how level
PH1406 PH2508 PH2506
PH3606 PH3607 PH4703
PH4704

10.2.2j) Supply medicines safely and efficiently, consistently within legal requirements and best professional practice. NB This should be demonstrated in relation to both human and veterinary medicines.
Modules assessing or contributing to
Shows how level
PH1403 PH1404 PH1406
PH1407 PH2502 PH2508
PH2506 PH3606 PH4703

10.2.3 Ensuring that safe and effective systems are in place to manage the risk inherent in the practice of pharmacy and the delivery of pharmaceutical services

10.2.3a) Ensure quality of ingredients to produce medicines and products
Modules assessing or contributing to
Knows how level
PH1404 PH1405 PH2502
PH2503 PH3704 PH3605
PH4701 PH4704

10.2.3b) Apply pharmaceutical principles to the formulation, preparation and packaging of products
Modules assessing or contributing to
Shows how level
PH1402 PH1403 PH1404
PH1405 PH1406 PH2502
PH2503 PH2508 PH2504
PH3603 PH3704 PH3605
PH3606 PH3607 PH4701
PH4704 PH4705

10.2.3c) Use pharmaceutical calculations to verify the safety of doses and administration rates
Modules assessing or contributing to
Does level
PH1401 PH1403 PH1405
PH1406 PH2501 PH2502
PH2503 PH2508 PH2507
PH3603 PH3704 PH3606
PH3607 PH4701 PH4702
PH4703 PH4704 PH4705

10.2.3d) Develop quality management systems including maintaining appropriate records
Modules assessing or contributing to
Shows how level
PH1406 PH2503 PH2508
PH2506 PH2507 PH3704
PH3606 PH3607 PH4703

10.2.3e) Manage and maintain quality management systems including maintaining appropriate records
Modules assessing or contributing to
Shows how level
PH2508 PH2506 PH2507
PH3704 PH3606 PH3607
PH4703

10.2.3f) Procure and store medicines and other pharmaceutical products working within a quality assurance framework
Modules assessing or contributing to
Knows how level
PH1402 PH1403 PH1404
PH1405 PH1406 PH2502
PH2503 PH2508 PH2507
PH3602 PH3603 PH3704
PH3606 PH4703 PH4704

10.2.3g) Distribute medicines safely, legally and effectively
Modules assessing or contributing to
Knows how level
PH1402 PH1403 PH1404
PH1405 PH1406 PH2502
PH2503 PH2508 PH2507
PH3602 PH3704 PH3606
PH4701

10.2.3h) Dispose of medicines safely, legally and effectively
Modules assessing or contributing to
Knows how level
PH1402 PH1403 PH1404
PH1405 PH2508 PH2507
PH3602 PH3605 PH3606
PH4701 PH4704

10.2.3i) Manage resources in order to ensure work flow and minimise risk in the workplace
Modules assessing or contributing to
Knows how level
PH2503 PH2508 PH3606
PH4704

10.2.3j) Take personal responsibility for health and safety
Modules assessing or contributing to
Does level
PH1401 PH1402 PH1403
PH1404 PH1405 PH1406
PH1407 PH2502 PH2503
PH2508 PH2504 PH2507
PH3602 PH3605 PH3606
PH3607 PH4701 PH4703
PH4704

10.2.3k) Work effectively within teams to ensure that safe and effective systems are being followed
Modules assessing or contributing to
Knows how level
PH1406 PH1407 PH1408
PH2502 PH2503 PH2508
PH2504 PH2506 PH2507
PH3606 PH3607 PH4701
PH4703

10.2.3l) Ensure the application of appropriate infection control measures
Modules assessing or contributing to
Shows how level
PH1401 PH1403 PH1404
PH1405 PH1407 PH2502
PH2506 PH2507 PH3602
PH3704 PH3607

10.2.3m) Supervise others involved in service delivery
Modules assessing or contributing to
Knows how level
PH1406 PH2508 PH2506
PH2507 PH3606 PH4703

10.2.3n) Identify, report and prevent errors and unsafe practice
Modules assessing or contributing to
Shows how level
PH1403 PH1406 PH2502
PH2508 PH2506 PH2507
PH3602 PH3606 PH3607
PH3608 PH4703

10.2.3o) Procure, store and dispense and supply veterinary medicines safely and legally
Modules assessing or contributing to
Knows how level
PH1402 PH1403 PH1406
PH2501 PH2503 PH2508
PH3603 PH3704 PH3606

10.2.4 Working with patients and the public

10.2.4a) Establish and maintain patient relationships while identifying patients' desired health outcomes and priorities
Modules assessing or contributing to
Shows how level
PH1407 PH2508 PH2506
PH2507 PH3602 PH3606
PH3607 PH4703

10.2.4b) Obtain and record relevant patient medical, social and family history
Modules assessing or contributing to
Shows how level
PH1407 PH2501 PH2506
PH2507 PH3607 PH4703

10.2.4c) Identify and employ the appropriate diagnostic or physiological testing techniques in order to promote health clinical decision-making
Modules assessing or contributing to
Knows how level
PH1401 PH1402 PH1405
PH2501 PH2502 PH2506
PH3602 PH3607 PH4701
PH4703

10.2.4d) Communicate information about available options in a way which promotes understanding
Modules assessing or contributing to
Shows how level
PH1401 PH1402 PH1403
PH1404 PH1406 PH1407
PH2503 PH2508 PH2506
PH2507 PH3601 PH3602
PH3603 PH3606 PH3607
PH4701 PH4703 PH4704
PH4705

10.2.4e) Support the patient in choosing an option by listening and

responding to their concerns and respecting their decisions
Modules assessing or contributing to
Shows how level
PH1404 PH1407 PH2503
PH2508 PH2506 PH2507
PH3602 PH3606 PH3607
PH4702 PH4703
10.2.4f) Conclude consultation to ensure a satisfactory outcome
Modules assessing or contributing to
Shows how level
PH1407 PH2508 PH2507
PH3606 PH3607 PH4703
10.2.4g) Maintain accurate and comprehensive consultation records
Modules assessing or contributing to
Shows how level
PH2507 PH3607 PH4703
10.2.4h) Provide accurate written or oral information appropriate to the needs of patients, the public or other healthcare professionals
Modules assessing or contributing to
Shows how level
PH1401 PH1402 PH1407
PH2502 PH2508 PH2506
PH3704 PH3606 PH3607
PH4701 PH4703 PH4704

10.2.5 Maintaining and improving professional performance

10.2.5a) Demonstrate the characteristics of a prospective professional pharmacist as set out in relevant codes of conduct and behaviour
Modules assessing or contributing to
Does level
PH1406 PH1407 PH1408
PH2508 PH2506 PH2507
PH3606 PH3607 PH4702
PH4703 PH4705
10.2.5b) Reflect on personal and professional approaches to practice
Modules assessing or contributing to
Does level
PH1406 PH1407 PH1408
PH2508 PH2506 PH2507
PH3704 PH3606 PH3607
PH4702 PH4705
10.2.5c) Create and implement a personal development plan
Modules assessing or contributing to
Does level
PH1408 1st yr Programme
2nd yr Programme PH3608
3rd yr Programme PH4705
4th yr Programme
10.2.5d) Review and reflect on evidence to monitor performance and revise professional development plan
Modules assessing or contributing to
Does level
PH1401 PH1402 PH1403
PH1404 PH1405 PH1406
PH1407 PH1408 1st yr Programme PH2501 PH2502
PH2503 PH2508 PH2506
PH2507 2nd yr Programme
PH3602 PH3603 PH3704
PH3606 PH3607 3rd yr Programme PH4701 PH4703
PH4704 PH4705 4th yr Programme
10.2.5e) Participate in audit and in implementing recommendations
Modules assessing or contributing to
Knows how level
PH3608 PH4703 PH4704
10.2.5f) Contribute to identifying the learning and development needs of team members
Modules assessing or contributing to
Knows how level
PH1403 PH1404 PH1407
PH1408 PH2507 PH3603
PH3607 PH4701 PH4705
10.2.5g) Contribute to the development and support of individuals and teams
Modules assessing or contributing to
Knows how level
PH1403 PH1404 PH1407
PH1408 PH2503 PH2507
PH3603 PH3607 PH4701
PH4703
10.2.5h) Anticipate and lead change
Modules assessing or contributing to
Knows how level
PH1402 PH3606 PH4701
PH4703

** The statement ‘ year programme‘ refers to inclusion of components documented centrally by the named programme year as part of its Quality Assurance process or general student supervision which may include tutor-tutee meetings, aspects of reflective practice or professional fitness to practice obligations.*

Entry Requirements	1. In addition to satisfying the General Entry Requirements, students must also satisfy the entry requirements determined by the School Board and approved by Senate. 2. Students already reading another Degree Programme at Aston University may be allowed to transfer to the Master of Pharmacy Programme with the agreement of the School's Director of Undergraduate Programmes. All such transfers must be to the first year of the Master of Pharmacy Programme and students will be required to complete and pass all of the modules that contribute to the Master of Pharmacy Programme in accordance with these Regulations. 3. Students must satisfactorily complete a Criminal Records Bureau check (or equivalent for IOS students) and any Health check as specified by the GPhC.

Programme Regulations	The programme is governed by the University's General Regulations for Undergraduate Programmes, except where they are modified by the following Special Regulations or module specifications. 1. **ATTENDANCE** 1.1 Students are normally required to attend Aston University for FOUR stages over a period of FOUR consecutive years. Each stage at Aston University consists of three terms. 1.2 Students will be required to attend for part of the Master of Pharmacy Programme at hospitals or such other institutions as designated by the Head of School or their Nominee. 1.3 In order to qualify for progression from one stage to the next and for the award of a degree at the completion of the Master of Pharmacy Programme, students must have attended classes in accordance with the Master of Pharmacy Programme requirements as approved by the School Board and set out in the Pharmacy Programme Specifications and in the individual Module Specifications for the Master of Pharmacy Programme in force during the point of study. 1.4 Students who are unable to maintain a coherent programme of study or attendance may be required to attend and study for additional assessment as designated by the Head of School or their Nominee. 2. **PROFESSIONAL STUDIES** 2.1 The following modules **MAY NOT BE CONDONED:** PH1406 Stage 1 Introduction to the Practice of Pharmacy PH2508 Stage 2 Medicine Supply: Law and Practice PH3606 Stage 3 Pharmacy Law and Practice PH4703 Stage 4 Practical Therapeutics 2.2 The specific elements of the following modules **MAY NOT BE COMPENSATED** regardless of the overall mark in the module: PH1406 Stage 1 No element can be compensated PH2508 Stage 2 No element can be compensated PH3606 Stage 3 No element can be compensated PH3608 Stage 3 No element can be compensated PH4702 Stage 4 Update of material 2.3 **A PASS MARK OF 50%** will apply to the following modules: **All stage 4 modules** PH1406 Stage 1 Introduction to the Practice of Pharmacy PH1407 Stage 1 Introduction to Pharmaceutical Patient care. PH2508 Stage 2 Medicine Supply: Law and Practice PH3606 Stage 3 Pharmacy Law and Practice PH3704 Stage 3 Quality Assured Pharmaceutical Technology

2.4 **A PASS MARK OF 50%** will apply to the following elements of assessment within modules:

PH1403	Stage 1	Pharmaceutical Calculations examination
PH1406	Stage 1	Law and Ethics examination
PH1406	Stage 1	Professional Experience Presentation
PH1406	Stage 1	Dispensing Examination
PH1407	Stage 1	Final examination
PH2508	Stage 2	Law and ethics examination
PH4703	Stage 4	OSCEs (combined mark) & Final examination

2.5 **A PASS MARK OF 60%** will apply to the following elements of assessment within modules:

PH1406	Stage 1	Practical assessment
PH2508	Stage 2	Dispensing practice element
PH2508	Stage 2	Calculations test
PH2508	Stage 2	Dispensing practice
PH3606	Stage 3	Pharmaceutical Calculations Test
PH3606	Stage 3	Dispensing Examination

2.6 A **Pass or Fail statement** applies to the following modules:

PH4705	Stage 4	Interprofessional learning and working

3. ASSESSMENTS

3.1 Assessments at Stages One, Two and Three will be held at specified times before the final stage of the Master of Pharmacy Programme and will comprise the modules set out in this Specification.

3.2 Final Stage Assessments for Honours Degree will comprise the modules set out in this Specification.

4. **DURATION OF STUDY**

4.1 Normally, for the award of a Master in Pharmacy "MPharm Degree", there should be a maximum of six years between first registration and graduation. Normally, students must complete the route to registration in 8 years.

4.2 Normally, students will be allowed only one Re-start opportunity during their degree programme.

4.3 The period for which credit is valid for progression from one stage of the Programme to another or for the award of a degree or other qualification applicable to that stage shall be two years.

5. **CONDONEMENT OF MODULES**

5.1 As a general principle, all assessments, including all components must be passed. Normally condonement of modules will not be considered. The decision that performance in a module should be condoned is at the discretion of the Board of Examiners and will be based upon a student's overall performance in the stage assessments. There is no automatic right to condonement.

5.2 A maximum of 20 credits can be condoned at each stage of study.

5.3 Normally, condonement may be applied only when the overall module mark is within 5% of the normal pass mark for the module and when a student's overall weighted mark for the stage is 50% or above. Condonement may normally only be applied when a student has passed all modules other than those for which condonement is to be considered.

5.4 Where performance in a module is condoned, the student shall be awarded the full credits available for the module but the mark achieved shall be used to calculate the overall mark for the stage.

6. COMPENSATION OF ELEMENTS OF ASSESSMENT

6.1 As a general principle, all assessments, including all components must be passed. Normally, compensation of components will not be considered. Compensation is the process by which a Board of Examiners, in consideration of a student's performance in a module, recommends credit be awarded for a module in which the student has failed to satisfy the assessment criteria in all elements.

6.2 The individual elements of assessment for each module are defined in the Module Specifications. Certain elements of assessment within a module have specific pass criteria. These elements are specified within the relevant Module Specifications and are limited to a practical element, a clinical element and an examination element.

6.3 The requirements to pass specific elements of assessment other than an examination within a module will only apply to those modules with a practical or clinical element of assessment.

6.4 The decision that performance in an element of assessment should be compensated is at the discretion of the Board of Examiners and will be based upon a student's overall performance in the module. There is no automatic right to compensation.

6.5 Compensation of an element of assessment with specific pass criteria shall only be considered when the pass mark for the module has been achieved (or when the module mark could be condoned) and when the mark obtained in the failed element is within 5% of the normal pass mark for that element.

6.7 If a student has achieved a pass mark in a module, but has failed an element of assessment that cannot be compensated, the credits for that module will not be awarded.

6.8 A student cannot normally proceed to the next stage of study until all credits for the current stage are awarded.

7. AWARD OF DEGREES

7.1 In calculating the overall weighted mark at the final stage of the Master of Pharmacy Programme, 4% of the total mark shall be based upon the overall performance at the end of the second stage of study.

7.2 In calculating the overall weighted mark for the award of a Degree at the end of the fourth stage of study, 36% of the total mark shall be based upon the mark calculated at the end of the third stage of study.

7.3 In calculating the 4th stage award. The mark for the final stage shall be calculated from the credit weighted average of all modules. Where a module can only be represented by a pass or fail statement the module must be passed and is removed from any calculation.

	7.4 There shall be a Master of Pharmacy "MPharm Degree (Honours)". There shall be no Ordinary Degree and no Pass Degree. 7.5 A student who fails to obtain sufficient credits for the award of a Master of Pharmacy Degree may be considered for the award of a BSc Degree in Pharmaceutical Studies. In such cases, the BSc Degree in Pharmaceutical Studies may be awarded with Honours or at a Pass level according to the achievements of the student. 7.6 The Master of Pharmacy Degree is a registerable degree and is not available as an Aegrotat Award. The award of an Aegrotat Degree in BSc Pharmaceutical Studies can be considered.
Professional requirements associated with the Programme	1.1 Upon interface with the public or other healthcare professionals, students must comply with the dress code requirements provided. 1.2 Students must comply with the GPhC's Code of Conduct for Pharmacy Students. 1.3 Students must comply with the University Fitness to Practise Regulations.

This specification provides a concise summary of the main features of the Programme and the threshold learning outcomes that a student might normally be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. **The individual modules included in the Programme may differ from those included in this Programme Specification as the Programme is subject to continuous review.** Information on admissions requirements and career opportunities is available in the relevant prospectus. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module can be found in the appropriate Module Specifications, Module Handbooks and Programme Handbook which are available to students on enrolment.