PROGRAMME SPECIFICATION

This Programme Specification is correct as of the date indicated; however, minor amendments may be made throughout the year and will be incorporated in the annual updating process.

SECTION A: DETAILS OF THE COURSE AND AWARD

Programme Title	**BSc (Hons) Air Transport with Private Pilot Training**
Awarding Body	**Buckinghamshire New University**
Teaching Institution	**Buckinghamshire New University**
Faculty	**Design, Media & Management**
School	**Applied Management & Law**
Name of Final Award	**Bachelor of Science with Honours, BSc (Hons)**
NQF/FHEQ Level of Qualification	**Level 6: Bachelor's degree with honours**
QAA Benchmark Statement(s)	**No aviation benchmarks. Mapped to FHEQ Framework (2008) and QAA Quality Code for Higher Education (QAA432 12/11)**
UCAS Code	**H490**
Course Code(s)	**BS3ATP1**
Mode and Length of Study	**3 years full-time**
Number of Intakes	**One intake per annum: September**
Regime of Delivery	**Attendance**
Language of Study	**English**
Details of Accreditation	**N/A**
Publication Date	**29 May 2014 Revised: June 2016, August 2018, September 2018, June 2019, August 2019, December 2019 and March 2020, September 2021**

GLOSSARY:

ATO	Approved Training Organisation
ATPL	Air Transport Pilot Licence
CPL	Commercial Pilot Licence
PPL	Private Pilot Licence
EASA	European Aviation Safety Agency
CAA	Civil Aviation Authority

Potential Student Profile / Criteria for Admission:

What the award is about and who the programme is aimed at:

The BSc (Hons) Air Transport with Private Pilot Training degree aims to reflect the changes inherent in the dynamic aviation industry, to prepare students with the skills and knowledge required both to work within the aviation field and to attain the necessary qualification for the award of a Private Pilot Licence (PPL). Buckinghamshire New University has historically been a leader in the field of aviation degrees

which offer a PPL (Private Pilot Licence) qualification and this course maintains the university's cutting edge in this field.

The course is aimed at those school leavers who wish to develop the skills, knowledge and employability profile that will provide them with the opportunity to gain employment in the aviation sector. It is equally geared towards fulfilling the needs of those mature students with an interest in returning to the workplace and securing employment in the aviation industry. At the same time the degree offers those currently employed the opportunity to update their skills and knowledge and equip them to seek opportunities for employment in the aviation sector. The PPL qualification provides added value and enables those who, at a later date, wish to continue their flying career to study further towards the award of a frozen Airline Transport Pilot Licence (ATPL).
All students undertake basic theoretical and practical pilot training in Year 1, delivered by one of the university's approved industry partners. Successful completion of both elements culminates in the award of a Private Pilot Licence (PPL).

Why students should choose this award and opportunities available for students after completion of the award:

Students should choose this award if they are seeking to study an exciting course, developed with input from industry professionals, which focuses on trends shaping the aviation industry today and for the future. The programme is forward looking and will remain fully responsive to the ongoing changes taking place in the dynamic aviation industry. An important component of the course is the opportunity to undertake a substantive period of seasonal work placement within the aviation industry at the end of Year 2 (Level 5). Delivery of the programme is varied and student interactive whilst knowledge and skills are tested through a diverse menu of assessments. Students who fail to complete both elements of the Private Pilot Licence (PPL) are afforded the opportunity to transfer to the BA (Hons) Airline and Airport Management degree.

Students graduating from this programme will be highly employable in the aviation industry. Employment opportunities include: tour operators; ground handlers; traditional, charter and low cost airlines; air cargo operators and airports, amongst others. In addition, students may choose to develop their own small niche business ventures. Students may also decide to further their studies by undertaking a Masters degree.

Admission Regulations:

Admission regulations are in accordance with those prescribed by University Regulations. Entrants to the full-time three-year degree programme are expected to have a good standard of general education with the equivalent of two A level passes at Grade C or above. They should also, as a minimum, have the equivalent of passes at GCSE level in English, Physics and Mathematics at Grade C or above. Mature students with non-standard qualifications will be considered on an individual basis. Some evidence of previous work experience, particularly experience which relates to the aviation sector, is an advantage. Prospective students should have a genuine interest in developing both their theoretical and practical knowledge of the aviation industry and the skills required to work in it. Students should be prepared to take responsibility for their learning, be willing to work both individually and as part of a team and to participate fully in course activities. Good communication skills are an advantage.

Admission requirements to the full-time university degree programme are aligned with the requirements of ATOs (Approved Training Organisations) for prospective trainee pilots i.e. anyone intending to train as a pilot must have good passes in English (the international language of aviation), Maths and Physics (the core of many of the Pilot Theory Examinations). EASA (European Aviation Safety Agency) regulations require that pilot trainee students whose first language is not English must be able to achieve level 6.0 in IELTS spoken English before they can take any flight test for the issue of a pilot licence (this includes a Private Pilot Licence - PPL). A student who obtains an overall score of 6.0 on the IELTS test but does not obtain this in the spoken category will be compelled to achieve this standard before they are permitted to take any flight licence test.

In order to undertake the practical pilot training necessary to obtain the EASA PPL, trainee pilot students are required to have a CAA (Civil Aviation Authority) Class 2 Medical Certificate (minimum), available from designated CAA medical examiners. Potential pilot students are strongly advised to consider

obtaining their medical clearance before starting the pilot training programme to avoid possible disappointment later. Basic medical fitness to DVLA (driving licence) standard is necessary for any practical flight training.

SECTION B: PROGRAMME AIMS, OUTCOMES, LEARNING, TEACHING AND ASSESSMENT METHODS

Programme Aims

The main educational aims of the BSc (Hons) Air Transport with Private Pilot Training are to:

- develop in students a firm foundation of specialised knowledge of the basic theory required by all private pilots (PL405)
- provide students with the opportunity to develop the specialist knowledge and operational ability to qualify for a Private Pilot Licence (PPL) (PL410)
- provide students with a comprehensive grounding in the operational and management knowledge and skills required by employers in a dynamic aviation industry (AI408;AI402; AI403; AI404; AI405; AI406; AI502; AI503; AI504; AI507; AI506; TM504; TM507; AI608; AI604; AI605; AI606; AI607; TM603)
- provide an inclusive, current and versatile curriculum of study which reflects the needs of both the aviation industry and the challenges with which it is confronted (AI507; AI608; AI604; AI605; AI606; AI607; TM603)
- prepare students for employment or for postgraduate study by fostering an environment in which students are encouraged to: develop academic skills; challenge knowledge; apply theory to practice; develop critical awareness, analysis, and reasoning; solve problems; synthesise and evaluate information; and engage in research (AI501; AI502; AI503; AI504; AI507; AI506; TM507; AI601; AI602; AI608; AI604; AI605; AI606; AI607; TM603)
- enable graduates to meet the changing demands of employment through acquisition and development of a wide range of personal and transferable skills required by employers in the aviation industry: self-reliance; reflection; adaptability; creativity; flexibility; interpersonal communication; teamwork and leadership qualities (TM504; AI506; AI607)
- develop the confidence and academic skills of students enabling them to become active and autonomous learners and critical thinkers (TM402; AI507; AI601; AI602; AI608; AI604; AI605; AI606; TM603)
- enhance the student experience and employment opportunities through engagement with aviation industry partners (TM402; TM504)

The aforementioned educational aims have one core objective: to equip students with the knowledge and skills perceived as contributing to the professionalism sought by aviation industry employers. The rationale and purpose of the BSc (Hons) Air Transport with Private Pilot Training degree is thus to provide students with a range of management and operational skills relevant to the 21st century aviation industry.

Programme Learning Outcomes

Programme outcomes on the BSc (Hons) Air Transport with Private Pilot Training degree are designed to enable students to:

Knowledge and Understanding

1. Demonstrate knowledge, understanding and the ability to apply the theoretical knowledge acquired in order to obtain a Private Pilot Licence (PPL)
2. Demonstrate knowledge and understanding of the structure, systems of regulation and business models adopted by airline and airport operators
3. Demonstrate understanding of marketing concepts, issues and theories as applied by airline and airport operators
4. Demonstrate a sound knowledge of ground service processes and interactions at airports as applied by airline and airport operators
5. Demonstrate specialist knowledge of the management and commercial operations of the air transport industry

6. Demonstrate an in-depth understanding of the importance of human factors and their impact on aviation safety

Intellectual/Cognitive Skills

1. Critically analyse and evaluate arguments, assumptions, abstract concepts and data in relation to the aviation industry to make judgements, frame appropriate questions and propose solutions to problems
2. Critically evaluate the challenges confronting the aviation industry in the global context and the regulatory framework and strategies deployed to overcome such challenges
3. Critically evaluate essential elements of strategy formulation and implementation in the aviation industry
4. Analyse and evaluate the issues and principles of sustainability and social responsibility in the context of aviation
5. Critically analyse and evaluate an airline operation's economic requirements and performance
6. Critically review, consolidate and extend a coherent body of knowledge in order to execute a sustained piece of independent work using appropriate media
7. Critically interpret, synthesise and evaluate information from a wide variety of sources relating to current and future developments in the aviation industry

Practical Skills

1. Demonstrate the specialist knowledge and operational ability required to quality for a Private Pilot Licence (PPL)

Key/Transferable Skills

1. Demonstrate vocationally relevant skills and knowledge through exposure to professional practice in the workplace
2. Evaluate and apply leadership and management theory in the context of the aviation industry
3. Deploy accurately established techniques of analysis and enquiry within aviation
4. Review critically current research and primary resources (for example, refereed research articles and or/original materials appropriate to aviation

Table 1: Programme Skills Matrix – Assessment

Module Code	Information Acquisition	Critical Thinking, Analysis and Synthesis	Self-reflection and Criticality	Communication Skills: Oral	Communication Skills: Written	Information & Communications Technology (ICT)	Numeracy & Quantitative Skills	Problem Solving & Decision Making	Independent & Self-managed Learning	Working with Others
AI408**	☒	☐	☐	☒	☒	☒	☐	☒	☒	☒
AI402**	☒	☐	☐	☒	☒	☐	☐	☒	☒	☒
AI403**	☒	☒	☐	☒	☒	☒	☒	☒	☒	☒
AI404**	☒	☒	☐	☒	☐	☒	☒	☒	☒	☒

Module Code	Information Acquisition	Critical Thinking, Analysis and Synthesis	Self-reflection and Criticality	Communication Skills: Oral	Communication Skills: Written	Information & Communications Technology (ICT)	Numeracy & Quantitative Skills	Problem Solving & Decision Making	Independent & Self-managed Learning	Working with Others
AI405**	☒	☒	☐	☒	☒	☒	☒	☒	☒	☒
AI406**	☐	☐	☐	☐	☐	☐	☒	☐	☒	☐
PL405**	☒	☐	☐	☐	☒	☒	☒	☒	☒	☐
PL410**	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐
TM402	☐	☒	☒	☐	☒	☒	☐	☐	☒	☐
AI501**	☒	☒	☐	☐	☒	☒	☒	☐	☒	☐
AI502**	☒	☒	☐	☐	☒	☒	☐	☒	☒	☒
AI503**	☒	☒	☐	☐	☒	☒	☐	☒	☒	☒
AI504**	☒	☒	☐	☒	☒	☒	☒	☐	☐	☒
AI507**	☒	☒	☐	☐	☒	☐	☐	☒	☒	☐
AI506**	☐	☒	☐	☐	☒	☐	☐	☐	☒	☐
TM504**	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
TM507**	☐	☒	☐	☐	☒	☐	☐	☐	☒	☐
AI601**	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐
AI602**	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐
AI608**	☒	☒	☐	☒	☒	☒	☐	☒	☒	☐
AI604**	☒	☒	☐	☐	☒	☐	☐	☒	☒	☐
AI605**	☒	☒	☐	☐	☒	☒	☒	☒	☒	☐
AI606**	☒	☒	☐	☐	☒	☒	☒	☒	☒	☐
AI607	☒	☒	☐	☒	☒	☒	☐	☒	☒	☒
TM603**	☒	☒	☒	☐	☒	☒	☒	☒	☒	☒

** indicates modules that were validated under the Tourism programmes in May 2013; the ATPL programme in November 2013 and the Airline and Airport Management Programme in March 2014. Programme skills reflect those on the definitive document for the aforementioned programmes

Please note that students who enter the programme already holding the PPL qualification, will in addition in Semester 2 take AI407: Developments of the Air Transport Sector.

Learning, Teaching and Assessment Methods to achieve the Programme Learning Outcomes

The programme comprises an amalgam of modules each with its individual credit value. In Year 1 students study their PPL theoretical syllabus within the confines of the university. For each module, students participate in a weekly lecture in addition to seminars in which students are put into small groups (approximately 15 students per group) and have the opportunity to undertake exercises and pose questions in relation to material presented in the lecture. A minimum of 45 hours practical flight training is required prior to undertaking the regulatory test for the PPL. The Private Pilot Licence practical training lays the foundations of flying and navigational skills. Practical flight training, undertaken contemporaneously with theoretical ground school modules, enables the student to place and apply the theory studied into a practical context. The module is taught by means of interactive seminars (briefings), practical demonstration and one-to-one instruction in accordance with EASA compliance regulations. Interactive workshops are also used in the form of simulation devices. The practical flight instruction centres on ensuring that students reach the level of knowledge and skills required to safely exercise the privileges and responsibilities of a Private Pilot. Successful award of a Private Pilot Licence (PPL) is a requirement of the BSc (Hons) Air Transport with Private Pilot Training.

The academic programme comprises a combination of 15- and 30-credit modules. Year 1 modules focus on the development of foundation knowledge and understanding of the theories, operations, activities and processes that characterise the aviation industry. Additionally, emphasis is focused on professional skills and development with a view to equipping students with essential knowledge in relation to the personal attributes and skills required to improve both academic performance and employment prospects. Modules are delivered through a blend of lectures, interactive seminars, workshops, small-group activities and debates and are supported by adaptive release e-learning material delivered through the VLE. Small groups of students discuss, in seminars, the contents of the lectures, undertake exercises and receive support, guidance and assistance from the module lecturers. Guidance in the acquisition of information is provided in seminars specifically geared to this topic. Informal formative assessment takes place on an ongoing basis through seminars that are specifically structured to include activities that assist students in developing the knowledge and skills required to fulfil the module learning outcomes and undertake the assessments. There is emphasis on the self-guided learning skills that will increasingly be called upon in Year 3 with advice and guidance provided in relation to recommended reading and independent research.

The delivery schedule in Year 1 (where L4 academic modules are studied in semester 1 and L5 academic modules in semester 2) (see Programme Structure Table on page 10) is devised specifically in order to enable students who wish to transfer to the BSc (Hons) Air Transport with Commercial Pilot Training at the end of the 1st Year of study to seamlessly do so. In order to prepare students for, and support them in, coping with L5 modules in the 2nd semester of year 1, an additional 1 hour Personal Tutor session per week has been timetabled. This session, which is in addition to the normal personal tutor one-to-one sessions, is devoted specifically to building capacity in terms of academic writing, analysis and evaluation, critical thinking, development of arguments, providing solutions to problems and other academic skills expected of students at L5. The assistance of the Learning Development Unit is also sought in offering such support.

In Year 2 the students are expected to apply theoretical knowledge that is more in-depth and to show deeper understanding as the complexity of the issues covered in the modules increases. A wide range of participative techniques is applied to facilitate the development and exchange of viewpoints in relation to module topics. Interactive workshop sessions develop and test the student's ability to relate key concepts and issues to industry operation and management in practice. Skills in relation to problem solving and decision making are honed through the extensive use of case studies drawn from a variety of organisations that are related to various aspects of operations and management of the aviation industry and highlight the application of theory to practice. Students are encouraged to reflect on their learning, thus offering them the opportunity for self-analysis and personal development. At this level students are expected to develop and demonstrate analytical and evaluative skills and to draw on a wide range of resources in the completion of assignments. Study of the Research Methods module (AM501) prepares students for an individual, extended piece of work required in Level 6 in the form of

either a Research (AI601) or Business Project (AI602). Numeracy and technology skills are enhanced in the Introduction to Finance and Economics module (AI406) through the use of Microsoft Excel to perform ratio analysis and basic forecasting and measurement of business performance. As in Year 1, modules are delivered through a blend of lectures, interactive seminars, workshops, small-group activities and debates and are supported by adaptive release e-learning material delivered through the VLE.

In Year 3 the strategy is for students to develop more fully their independent learning skills. Students are expected to develop and demonstrate the ability to critically review and analyse theories, concepts, assumptions and arguments and to synthesise and evaluate information relating to a wide variety of sources in relation to international aviation management. Independent learning is fostered by undertaking an extended piece of individual research which requires the student to take full responsibility for managing their personal and professional development. Skills of reasoning and problem solving are developed and assessed throughout the modules through the synthesis, analysis, evaluation and interpretation of relevant literature and research findings and the application of theories and concepts to the solution of problems. The importance of self-reflection and criticality are developed and demonstrated through the ability to self-appraise and reflect on the student's own learning. Case studies and other relevant information sources form the basis for strategic analysis, evaluation and implementation planning.

Learning at all levels is structured to ensure that students are engaged in subject-specific contexts. This, inter alia, includes contact with the aviation industry through visiting speakers and 'live' case-studies. Students are also afforded the opportunity to interact with and research diverse aspects of the aviation industry by virtue of fieldwork. Throughout the programmes, participation in field visits is encouraged that affords students the opportunity to experience theory applied in an operational context. Guest speakers are invited, where appropriate, to ensure interaction with industry and provide students with learning opportunities that are conducive to reflection on how theory is applied to practice.

At all levels modules enable students to develop key skills. Assignments are designed to reflect the learning outcomes for each module. Holistically, the module learning outcomes complement the programme outcomes; these are in turn aligned to the QAA Quality Code for Higher Education and the FHEQ Framework. Please note that there are currently no QAA aviation benchmarks.

Informal formative assessment, specifically geared to assisting students in meeting learning outcomes for the specific module, takes place on an ongoing basis through seminar and workshop activities. Further support for students is provided through the use of the Blackboard Virtual Learning Environment. For example, lecture notes, supporting materials, web links and pod- and video-casts may be made available to students online, as are the module programme and reading lists. Students are encouraged to use the Discussion Board feature to discuss issues raised in lectures, seminars and workshops with peers and the module tutor. Use of the VLE further allows students to develop and demonstrate competence in the use of information technology.

Assessment Strategy

Assessment methods are those considered most appropriate to the nature of the programme, the student profile and the requirements of future employers in terms of the knowledge, understanding and skills required. The likelihood of any employee within the aviation industry being called upon to write an essay is minimal whilst the ability to write logical, coherent, structured, focused, well researched, analytical, evaluative or informative reports and make well prepared, coherent, focused presentations is an undeniable asset to those seeking employment in the industry. The ability to work with others is pivotal to success in all areas of employment within the aviation industry.

In Level 4 modules (studied in Years 1 and 2 of the programme) a varied menu of assessment methods is provided, including: group work; presentations; a case study based on fieldwork; written assignments (generally reports); cumulative exercises; preparation of a handbook; a reflective journal and time-constrained assignments (TCAs). Assessment for the theoretical element of the pilot training programme at PPL level (Year 1) takes the form of nine multiple choice examinations. All PPL theory is delivered within the university by a partner Approved Training Organisation (ATO) and theoretical examinations are written on university premises under CAA examination conditions. Formative practice examinations are written by students prior to each summative examination. Feedback and marks attained for the formative practice examinations is generally made available to students within 36 hours

of the practice examination being undertaken. A progress check is undertaken by the ATO as formative assessment to determine student preparedness to undertake formal summative assessment by an EASA qualified examiner for the award of a Private Pilot Licence. The assessment takes the form of an examination/test in accordance with EASA regulations. This will normally comprise of an oral assessment of approximately 1 hour plus a 2 hour practical flying test (with additional briefing and debriefing sessions). Students must pass all elements of the assessment in order to be awarded a Private Pilot Licence.

In Level 5 modules the variety of assessment mirrors that of Level 4 modules, though assignments are more demanding. Longer reports and presentations are required and the emphasis moves to assessing analytical and evaluative ability. Assignments retain their employer focus; for example, AI502 Airport Management requires students to present a business proposal for a new airport terminal. The assessment for AM501 Research Methods develops the skills that will be required in completing the Research Project or Business Plan and Proposal in Year 3 (Level 6). In particular, the formative and summative assessment on TM504 Employment Research and Planning mirrors the process a student will encounter when applying for employment and undertaking an assessment test and interview. The assessment is modelled as closely as possible to the procedures followed in the aviation industry and is based on feedback from employers. At Level 6 assessment is geared to testing criticality; reflection; complex problem solving; and decision making. There is still a varied menu of assignments which includes reports, business and research proposals, case study analysis and examinations among others. The final Research Project or Business Plan and Proposal provide the ultimate test of students' ability to source, critically analyse, synthesise and critically evaluate information from a wide variety of sources and to apply their findings and recommendations to real-world situations.

Throughout their learning journey students are prepared for the assignments through seminars and workshops. Informal formative assessment takes place on an ongoing basis through seminars that are specifically structured to include activities that assist students in developing the knowledge and skills required to fulfil the module learning outcomes. Assistance is sought from the Learning Development Unit (LDU) in terms of the development of academic and report writing skills, presentation skills, critical reflection, and analytical skills amongst others. Each level has a one-hour allocated personal tutor slot which, in addition to the normal one-to-one personal tutor meetings, is also used for LDU presentations and exercises.

The balance of assessments has been drawn up to recognise both the nature of the students and to meet the requirements of the programme in terms of learning outcomes and transferable skills. Of the assessment regime on the BSc (Hons) Air Transport with Private Pilot Training degree at L4, approximately 32% comprises individual written coursework; 20% is practical (group presentations); 35% TCA/examination-based; and 14% group written work. At L5 88% comprises individual written coursework (including an examination); 5% group work and 7% oral presentations. At L6 2.5% (or 5% dependent on the optional module selected) comprises oral presentation; 46% (or 43% dependent on the optional module selected) comprises individual written coursework; 43% examinations and 8% group work. Examinations have been included in only one assessment at L5 due to the fact that students complete their syllabus just prior to the Easter vacation after which they have the option to undertake a period of seasonal employment in the industry. Students who do not secure a seasonal employment position participate in alternative courses such as Cabin Crew Operation for which the department has a specially designed facility.

Work-Based / Placement Learning

In Year 2 students study the Employment Research and Planning module (TM504) which includes a summer period of voluntary industry employment. Students are prepared to apply for seasonal vacancies through the preparation of CVs, the development of interview techniques, teamwork and participation in mock assessment days. The skills tested correlate with the capabilities that employers' value - the ability to work in a team, good communication skills and the ability to be an autonomous learner and improve one's self-awareness and performance. Industry professionals and members of the University Human Resources and Careers Departments are invited to assist in the assessment of students on the aforementioned assessment days. The department continuously pursues new partnerships optimising opportunities to enhance the student experience and promote experiential learning. Seasonal employment in the aviation industry may commence in April when successful

candidates are called upon to commence training within the organisation by which they will be employed. Reference has been made to the precepts and principles of the QAA Code of Practice Section 9: Work-based and Placement Learning in respect of the responsibilities of the institution with regard to student support during periods of seasonal employment.

Students undertaking the Employment Research and Planning module are prepared through a programme of workshops led by the Seasonal Employment Co-ordinator. During the workshops students are introduced to the seasonal employment handbook which fully describes:

a) How to find seasonal employment
b) Guidance on terms of letters requesting employment
c) Responsibilities for securing seasonal employment
d) The procedures and criteria for the approval of individual seasonal employment
e) Student responsibilities to the employment provider and employees
f) The formal complaints procedure
g) Health & safety information
h) Learning outcomes
i) Student rights to a safe working environment and to be treated in accordance with applicable legislation
j) Guidance and procedures for undertaking distance learning and work-related credit-bearing modules while in employment
k) The procedures and requirements for post-seasonal employment feedback

For those students who are unable to secure seasonal employment in the aviation industry, the department organises an alternative course of study over the period after the Easter vacation. This will generally include aspects of practical training in respect of a particular area of the industry, for example, cabin crew organisation.

Students may also be offered the opportunity to apply to undertake a non-compulsory study period at a partner institution overseas in lieu of their normal Year 2 (Level 5) spring and summer terms. Enrolment on the 60-credit TA595 Study Abroad module is conditional upon a place being available at a partner institution. This provides students with the opportunity to further develop interpersonal and intercultural skills and adapt to a new environment, all skills which are crucial in the global aviation industry. Where a student avails her/himself of this opportunity the final degree award is calculated at 80% of year 3 and 20% of year 2 (Semester 1) marks achieved. Modules available to students at partner Universities, with whom Buckinghamshire New University has agreements under the Erasmus Exchange Programme, are approved by the Head of Department and School Registrar who map these against the student's course programme to ensure that they are appropriate to the field and level of study.

It must be noted that seasonal employment commencing prior to the termination of the academic year in June is not available to international students who are obliged by Border Agency regulations to attend classes at the university for the full academic year. Such students may, however, undertake a period of seasonal employment from the termination of the academic year in June until the start of the new academic year in late September.

SECTION C: PROGRAMME STRUCTURE(S) AND MATRIX MAPPING

Table 2: Programme Structure Table

Course Title	BSc (Hons) Air Transport with Private Pilot Training				
Course Code	BS3ATP1				
Mode of Study	Full-time Attendance				
Credit Value	**UK**	375 Credits	**ECTS**	187.5 Credits	

Module Code	Module Title	QCF/FHEQ Level	Course Stage	Status in Award *([C]ore / [O]ptional)*	Credit Value	Assessment Regime			Semester Taught
						Written Exam %	Coursework %	Practical %	
Year 1									
PL405	Private Pilot Licence (PPL) Theory	4	1	C	15	100			SB
PL410	Private Pilot Licence (PPL) Practical Training	4	1	C	15			100	SB
AI408	Structure of the Air Transport Industry	4	1	C	15		100		S1
AI403	Air Transport – Security and Safety	4	1	C	15		100		S1
AI405	Airport Operations	4	1	C	15		100		S1
TM402	Professional Skills and Development	4	1	C	15		100		S1
AI503	Airline Management	5	2	C	15		100		S2
AI506	Management, Leadership and Change	5	2	C	15		100		S2
AI507	Airline Crisis and Continuity Management	5	2	C	15		100		S2
Year 2									
AI504	Ancillary Revenue Management	5	2	C	15		100		S1
TM504	Employment Research and Planning	5	2	C	15			100	S1
AI502	Airport Management	5	2	C	15		100		S1
TM507	Human Resource Management	5	2	C	15		100		S1
AI402	Air Cargo Operations	4	1	C	15		100		S2
AI404	Airline and Airport Marketing	4	1	C	15			100	S2
AI406	Introduction to Finance and Economics	4	1	C	15	100			S2
AI501	Research Methods	5	2	C	15		100		S2

Year 3									
AI601	Research Project	6	3	O	30		100		SB
AI602	Business and Enterprise	6	3	O	30		70	30	SB
AI604	Aviation in the Global Context	6	3	C	15	100			S1
AI605	Aviation Finance and Economics	6	3	C	30		100		SB
AI606	Sustainability Management	6	3	C	15	100			S1
TM603	Strategic Management	6	3	C	15		100		S2
AI608	The Future of the Air Transport Industry	6	3	O	15			100	S2
AI607	Human Factors as a Fundamental Concept in Aviation Safety	6	3	O	15		70	30	S2

In Year 3 (L6) students must study either the 30 credit AI601 Research Project module or the 30 credit AI602 Business and Enterprise module. In addition students must select one (1) of the additional two (2) x 15 credit optional modules (AI608; AI607)

Please note the balance of credits available at year one (L4) allows students to achieve the requisite 120 academic credits required for progression. However, for those wishing to transfer into Y2 (L5) of BSc (Hons) Commercial Pilot Training both PL405 and PL410 are essential to pass.

All 15 credit modules are validated for delivery in either Semester 1 or Semester 2 to allow for flexibility and the most appropriate allocation of resources

Table 3: Mapping of Programme Outcomes to Modules

Programme Outcome	Level 4 (Code)	Level 5 (Code)	Level 6 (Code)	Level 7 (Code)	Level 8 (Code)
A. Knowledge and Understanding					
A1	PL405				
A2	AI408 AI403	AI502	AI608 AI604		
A3	AI404	AI504	AI602		
A4	AI403 AI405	AI502 AI503			
A5	AI402 AI406	AI503 AI504 AI507 AI506 TM507	AI605 TM603		
A6			AI607		
B. Intellectual / Cognitive Skills					

Programme Outcome	Level 4 (Code)	Level 5 (Code)	Level 6 (Code)	Level 7 (Code)	Level 8 (Code)
B1	TM402 AI404	AI501 AI503 AI504 AI507	AI601 AI608 AI604 AI606 AI607 TM603		
B2		AI507	AI608 AI604 AI606 TM603		
B3			AI602 TM603		
B4	AI408 AI402		AI606 TM603		
B5	AI406	AI503 AI504 AI507	AI605		
B6			AI601 AI602		
B7		AI502 AI503 AI504 AI507	AI601 AI602 AI608 AI604 AI605 AI606 AI607 TM603		
C. Practical Skills					
C1	PL405 PL410				
D. Key / Transferable Skills					
D1	AI408 AI403 AI405	AI502 TM504	AI608 AI604 AI606 TM603		
D2		AI506 TM507			
D3	TM402	AI501	AI601 AI602		
D4		AI501 AI502 AI503 AI504 AI507 AI506 TM507	AI601 AI602 AI608 AI604 AI606 AI607 TM603		

SECTION D: CONTACT HOURS

Hours are worked on the basis of full-time study. One Academic Credit is equated to 10 notional learning hours. A full-time undergraduate student will accumulate 120 credits in an academic year which is therefore equated to 1200 notional hours. Module Descriptors provide detailed breakdowns of the categories given below.

Table 4: Breakdown of Contact Hours

Year of course	Scheduled Learning and Teaching Activities	Guided Independent Study	Placement / Study Abroad	Total
Year 1 (Level 4)	418	932		**1350 hours**
Year 2 (Level 5)	330	870		**1,200 hours**
Year 3 (Level 6)**	297	903		**1,200 hours**
Total	**1045 (28%)**	**2705 (72%)**		**3750 hours**

Note: Hours listed above may, in L6, depend on module choice and therefore the particular hours for an individual student may differ accordingly.

SECTION E: ASSESSMENT REGULATIONS

This programme conforms to the approved University procedures as detailed on the University website with the following exceptions.

The calculation of this award will be as follows:

- Level 5: 20%
- Level 6: 80%
- Students may be offered the opportunity to apply to undertake a non-compulsory study period at a partner institution overseas in lieu of their normal Year 2 (Level 5) spring and summer terms. Where a student avails her/himself of this opportunity the final degree award is calculated at 80% of year 3 and 20% of year 2 (Semester 1) marks achieved.

- In the first year the pilots do nine European Aviation Safety Association (EASA) exams, regulated by the UK Civil Aviation Authority (CAA) for their Private Pilot's Licence (PPL), worth 15 credits at level 4. These are well organised and structured by the University's PPL training partner, Booker Aviation, but experience has demonstrated that some students simply choose not to take them at the prescribed time. This has led to a situation where some students who have elected to not do exams at their scheduled time do not complete them in time for the referral board and carry them into their second year. Thus these nine exams are not exempt from the new regulations requiring all 120 credits to be complete before the commencement of their second year of study.

- Trainee pilots are required to attain a minimum pass mark of 75% in each of the 9 multiple choice theoretical examinations required for the award of a Private Pilot Licence. Regulations in relation to the theoretical modules are stipulated by EASA and implemented via its accredited national agent (in the case of the UK the CAA).

- All pilot training credits, both theoretical and practical, are awarded on a pass/fail basis only in order to obviate the skewing of degree classifications by the 75% pass mark required by CAA regulations.

- Students who do not obtain their Private Pilot Licence by the end of Year 2 will be transferred to the BA (Hons) Airline and Airport management Degree

The following modules may not be condoned:

- AM601 Research Project or
- AM602 Business and Enterprise (students have an option of one of these modules)

- PL405 PPL Theory; PL410 (PPL Practical)

This programme is covered by the following University regulations: *University Academic Framework and Assessment Regulations*

Other

Programme Review and Enhancement:
The annual programme review and enhancement process conforms to university requirements. The course leader is responsible for the production of the evidence based Programme Report and Action Plan which in turn feeds into the Departmental Evidence Based Department Report and Action Plan.

Student Feedback
Student feedback is collected bi-annually at mid-year and year-end. Consolidated analysis of feedback is incorporated into the Programme Report and the Departmental Report and Action Plan.

Student Representatives
A student representative is appointed to represent students at each level of each programme. Feedback is collected by student representatives from their respective student body prior to the bi-annual Programme Committees. Issues arising from the student representatives are fed back to the Student Experience Committee. Details of actions undertaken and the resolution of problems as a result of student feedback at Programme Committees are communicated to student representatives for dissemination to their student body. Student feedback and Programme Committee actions form an integral part of the annual Programme Review and Enhancement process.

Personal Tutoring
Buckinghamshire New University has the responsibility for ensuring that all students receive both pastoral care and academic tutoring as they progress through the programme. The Head of Department has overall responsibility for ensuring the personal and academic tutoring system adopted provides students with the necessary academic and pastoral care. All students are required to communicate directly with the Module Lecturers in relation to issues they may have concerning the delivery and assessment of the programme. Module Lecturers communicate with the Course Leader regarding any matters in relation to the academic and personal tutoring system.

Personal tutors are assigned to students in Year 1 (L4) and students maintain these academic tutors for the duration of their programmes. A one-hour timetabled slot is allocated on a weekly basis on student and tutor timetables. This may be used either as a group activity, in which the tutor schedules special sessions for the assistance of students, or may be used for one-to-one consultations between tutor and student which take place at least twice during the academic year. Where tutors are not qualified to assist students with personal problems they will refer them either to the disability unit or to the university counselling service. Students experiencing academic difficulty are referred to the Learning Development Unit for assistance.

Course Costs

Student fees for the academic elements of the degree are covered by the Student Loan which is available to all EU students. Costs of the PPL theory and practical training are set by the individual ATOs (Approved Training Organisations). Costs of the PPL are made available to prospective students at Open Days and in Programme Promotional Materials with the caveat that costs for the following year are only updated by ATOs in January of the year in which students will commence the specific element of the training.

© 2014 Buckinghamshire New University

APPENDIX 1: MAPPING TO THE UK QUALITY CODE OF HIGHER EDUCATION – CHAPTER B3

Chapter B3: Learning and Teaching (December 2011): Section 2 – Work-based and placement learning

Indicator	Indicator Explanation	Course Response
1	Where work-based or placement learning is part of a programme of study, awarding institutions ensure that its learning outcomes are: • clearly identified • contribute to the overall and coherent aims of their programme • assessed appropriately.	Students on the BSc (Hons) Air Transport with Private Pilot Training degree may undertake a summer period of seasonal employment or volunteering in the industry. **This element is not assessed.** Students who are unable to access employment are offered alternative courses, for example, airline cabin crew training
2	Awarding institutions are responsible for the academic standards of their awards and the quality of provision leading to them, and have in place policies and procedures to ensure that their responsibilities, and those of their partners involved in work-based and placement learning, are clearly identified and met.	Not applicable
3	Awarding institutions ensure that all partners providing work-based and placement learning opportunities are fully aware of their related and specific responsibilities, and that the learning opportunities provided by them are appropriate.	Not applicable
4	Awarding institutions inform students of their specific responsibilities and entitlements relating to their work-based and placement learning.	Students are all provided with the relevant seasonal employment handbook. This is work-shopped with all students in seminars
5	Awarding institutions provide students with appropriate and timely information, support and guidance prior to, throughout and following their work-based and placement learning.	Specific preparation for employment is encompassed in module TM504
6	Awarding institutions ensure that work-based and placement learning partners are provided with appropriate and timely information prior to, throughout and following the students' work-based and placement learning.	Not applicable.

Indicator	Indicator Explanation	Course Response
7	Awarding institutions ensure that: • their staff involved in work-based and placement learning are appropriately qualified, resourced and competent to fulfil their role(s) • where applicable, other educational providers, work-based and placement learning partners have effective measures in place to monitor and assure the proficiency of their staff involved in the support of the relevant work-based and placement learning.	Not applicable
8	Awarding institutions have policies and procedures for securing, monitoring, administering and reviewing work-based and placement learning that are used effectively and reviewed regularly.	Not applicable

APPENDIX: OTHER AWARDS AVAILABLE

The following Exit Awards are available on this programme:

- Certificate of Higher Education (CertHE)
- Diploma of Higher Education (DipHE)
- Bachelor of Science (Ordinary degree)

Exit Award Programme Learning Outcomes

Certificate of Higher Education

On successful completion of a **Certificate of Higher Education (CertHE)**, a graduate will be able to:

- Demonstrate knowledge, understanding and the ability to apply the theoretical knowledge acquired in order to obtain a Private Pilot Licence (PPL)
- Demonstrate knowledge and understanding of the structure, systems of regulation and business models adopted by airline and airport operators
- Demonstrate a sound knowledge of ground service processes and interactions at airports as applied by airline and airport operators
- Demonstrate understanding of the principles of marketing and product development within the airline and airport environment

A **Certificate of Higher Education (CertHE)** will be awarded to a student who has completed the programme learning outcomes specified above. This is measured by achievement of 120 credits at Level 4. The following modules will count towards achievement of this award:

- PL405 Private Pilot Licence (PPL) Theory (15 credits)
- AI408 Structure of the Air Transport Industry (15 credits)
- AI403 Air Transport – Security and Safety (15 credits)
- AI405 Airport Operations (15 credits)
- AI402 Air Cargo Operations (15 credits)
- AI404 Airline and Airport Marketing (15 credits)
- AI406 Introduction to Finance and Economics (15 credits)
- AI407 Developments of the Air Transport Sector (15 credits) (If taken)
- TM402 Professional Skills and Development

Diploma of Higher Education

On successful completion of a **Diploma of Higher Education (DipHE)**, a graduate will be able to:

- Explain specialist knowledge of the management and commercial operations of the air transport industry
- Analyse and evaluate an airline operation's economic requirements and performance
- Evaluate and apply leadership and management theory in the context of the aviation industry

A **Diploma of Higher Education (DipHE)** will be awarded to a student who has completed the programme learning outcomes specified above. This is measured by achievement of a combined total of 240 Credits comprising 120 credits at Level 4 **and** 120 Credits at Level 5. All modules at Level 4 and the following modules at Level 5 will count towards achievement of this award:

- Private Pilot Licence (PPL) Practical Training (15 credits)
- AI504 Ancillary Revenue Management (15 credits)
- TM504 Employment Research and Planning (15 credits)
- AI502 Airport Management (15 credits)
- TM507 Human Resource Management (15 credits)
- AI501 Research Methods (15 credits)
- AI503 Airline Management (15 credits)
- AI506 Management, Leadership and Change (15 credits)
- AI507 Airline Crisis and Continuity Management(15 credits)

Ordinary degree

On successful completion of a **Bachelor of Science (Ordinary degree)**, a graduate will be able to:

- Critically evaluate the challenges confronting the aviation industry in the global context and the regulatory framework and strategies deployed to overcome such challenges
- Critically analyse and evaluate the issues and principles of sustainability and social responsibility in the context of aviation

An **Ordinary degree** will be awarded to a student who has completed the programme learning outcomes specified above. This is measured by achievement of a combined total of 300 Credits comprising 120 credits at Level 4, 120 Credits at Level 5, **and** 60 Credits at Level 6. All modules at Levels 4 and 5 and the following modules at Level 6 will count towards achievement of this award:

- AI604 Aviation in the Global Context
- AI606 Sustainability Management
- AI605 Aviation Finance and Economics

Students must pass the above core modules to be eligible for the Ordinary degree