MCAST

MCAST PROGRAMMES - PUBLIC INFORMATION TEMPLATE (FULL TIME)

Institute	Institute of Engineering and Transport
Department	Aviation, Transportation and Logistics Department incl. Aircraft Maintenance Training Centre

Programme Title	Award in Basic Aviation Maintenance				
Course Code *To be filled in by Admissions Dept.*	AE2-W21-24	**If the programme includes a WBL element, How is it accredited?**	Apprenticeship		
MQF/ EQF Level	Level 2	**Type** *(refer to Appendix 1 for Parameters)*	Qualification	**Awarding Body**	MCAST – Malta College of Arts, Science and Technology
Accreditation Status	Accredited via MCAST's Self Accreditation Process (MCAST holds Self-Accrediting Status as per 1st schedule of Legal Notice 296/2012)				
Mode of Delivery	Face to Face	**Duration** *(Academic Years or Semesters)*	1 Semester	**Mode of Attendance**	Full-time
Total Number of Credits	30 credits	**Total Learning Hours** *(25 Total Learning Hours for each ECTS)*	750 hours		
Target Audience	Ages 16 - 65	**Target Group** *(the type of learners that the educational institution anticipates joining this programme)*	Learners who have completed compulsory education		
Programme Fees	There are no fees applicable to Maltese and other EU Nationals (as will be evidenced by their Identity Document) Fees apply for other International Applicants… for fee information and any related updates it is best to communicate with MG2i International through applyinternational@mcast.edu.mt One may consider checking about possible eligibility or otherwise for any exemption from fees by contacting the relevant section within MEYR (Floriana) – or visit the servizz.gov.mt website here				
Date of Next Student Intake	For further information regarding upcoming student intake and applications time windows for same kindly click here				
Language of Instruction	The official language of instruction at MCAST is English. All notes and textbooks are in English (except for language courses, which will be in the respective language being instructed). International candidates will be requested to meet English language certification requirements for access to the course.				
Application Method	Applications to full-time courses are received online via the College Management Information System. Applicants can log-in using Maltese Electronic ID (eID) in order to access the MCAST Admissions Portal directly and create one's own student account with the identity being verified electronically via this secure service. Non-EID applicants need to request account creation though an online form after that they confirm that their local Identification Document does not come with an EID entitlement. . Once the identity is verified and the account is created on behalf of the applicant, one may proceed with the online application according to the same				

	instructions applicable to all other applicants. For more information about how to apply online for a course at MCAST, please visit: https://mcast.edu.mt/how-to-apply-online-2/
Information for Non-EU Citizens	Non-EU candidates require a study visa in order to travel to Malta and join the course applied for (on a Full Time delivery mode). For further information re study-visa please access https://www.identitymalta.com/unit/central-visa-unit/. Further information International / TCN applicants should take note of before requesting to being considered for a programme of studies at MCAST, can be obtained through the respective FAQ found on https://mcast.edu.mt/important-information/
IMPORTANT note to Non-EU Nationals / TCNs	In instances where a TCN is applying for an MCAST programme of studies which includes Apprenticeship / Placement / Internship, it is the applicant's responsibility to check with the relevant Maltese Authority whether one would be eligible to have the necessary permits to be able to carry out the accredited Apprenticeship / Placement / Internship, success from which is expected in order to be able to successfully complete the selected programme of studies. Further information can also be obtained through the respective FAQ found on: https://mcast.edu.mt/important-information/
Address where the Programme will be Delivered	*MCAST has four campuses as follows:* **MCAST Main Campus** Triq Kordin, Paola, Malta *All courses except for courses delivered by the Institute for the Creative Arts, the Centre of Agriculture, Aquatics and Animal Sciences and the Gozo Campus are offered at the Main Campus address (above).* *Courses delivered by the Institute for the Creative Arts, the Centre of Agriculture, Aquatics and Animal Sciences, or the Gozo Campus, are offered in one of the following addresses as applicable:* **Institute for the Creative Arts** Mosta Campus Misraħ Għonoq Tarġa Gap, Mosta **Institute of Applied Sciences** Centre of Agriculture, Aquatics and Animal Sciences, Luqa Road, Qormi **Gozo Campus** J.F. De Chambray Street MCAST, Għajnsielem Gozo *In the case of courses delivered via Online Learning, students will be following the programme from their preferred location/address.* *Programmes delivered via Blended Learning, and which therefore contain both an online and a face to face component shall be delivered as follows:*

	○ Face to Face components – as per above address instructions ○ Online components – from the student's preferred address.
Course Description *(Refer to Programme Specification)*	This is an introductory programme designed together with the MROs (Maintenance, Repair and Overhaul) specifically to provide the learners with the basic theoretical ad practical understanding of aircraft maintenance and related systems, and it is supported by practical experience in dedicated MRO workshops at mechanic level. The course prepares the learners to progress to the Level 3 Diploma in Aircraft Systems Maintenance.
Deskrizzjoni tal-Kors *(Refer to Programme Specification)*	Dan huwa programm introduttorju ddisinjat flimkien mal-MROs (manutenzjoni, tiswija u reviżjoni) speċifikament biex jipprovdi lill-istudenti bil-fehim teoretiku u prattiku bażiku tal-manutenzjoni tal-inġenji tal-ajru u sistemi relatati, u huwa appoġġjat minn esperjenza prattika f'workshops MRO ddedikati fil-livell tal-mekkanik. . Il-kors jipprepara lill-istudenti biex jgħaddu mid-Diploma in Aircraft Systems Maintenance.
Career Opportunities:	-
Entry Requirements *(Refer to Prospectus / Course Page on MCAST website)*	Internal Progression Route… Any MCAST MQF Level 1 Introductory Certificate OR Finished Compulsory Education (as will be documented by a full, official School Leaving Certificate / SSCP / SSQP) Initial Assessment Tests (depending on eligibility and applicability) (further / updated information regarding IATs can be found amongst the FAQs in https://mcast.edu.mt/important-information/) Applicants are to sit for an Interview with an MRO. Being successful at end of such an interview, is an integral part of the eligibility process for this Level 2 Programme.
Other Notes related to this Programme, and which are to be taken note of	Upon being found eligible and registered as an MCAST student, one is expected to procure a Uniform, which is to be worn at all times whilst undergoing training on this programme.
Programme Learning Outcomes *(Refer to Programme Specification)*	At the end of the programme the students are able to 1. Enhance the basic key skills knowledge in order to pursue a career in the Aviation Industry. 2. Develop basic theoretical knowledge of the aircraft's applicable systems, structure, operations, maintenance, repair and troubleshooting according to the approved maintenance data. 3. Develop a basic understanding of the aircraft maintenance industry and of its manuals and procedures. 4. Prepare for the examinations organised by the Transport Malta Civil Aviation Directorate with regards to the EASA Part-66 Category A licence.
Teaching, Learning and Assessment Procedures	The programmes offered are vocational in nature and entail both theoretical lectures delivered in classes as well as practical elements that are delivered in laboratories, workshops, salons, simulators as the module requirements dictate. Each module or unit entails a number of in person and/or online contact learning hours that are delivered by the lecturer or tutor directly (See also section 'Total Learning Hours). Access to all resources is provided to all registered students. These include study resources in paper or electronic format through the Library and Resource Centre as well as tools, software, equipment and machinery that are provided by the respective

	institutes depending on the requirements of the course or module. Students may however be required to provide consumable material for use during practical sessions and projects unless these are explicitly provided by the College. All Units of study are assessed throughout the academic year through continuous assessment using a variety of assessment tools. Coursework tasks are exclusively based on the Learning Outcomes and Grading Criteria as prescribed in the course specification. The Learning Outcomes and Grading Criteria are communicated to the Student via the coursework documentation. The method of assessment shall reflect the Level, credit points (ECTS) and the schedule of time-tabled/non-timetabled hours of learning of each study unit. A variety of assessment instruments, not solely Time Constrained Assignments/Exams, are used to gather and interpret evidence of Student competence toward pre-established grading criteria that are aligned to the learning outcomes of each unit of the programme of study. Grading criteria are assessed through a number of tasks, each task being assigned a number of marks. The number of grading criteria is included in the respective Programme Specification. The distribution of marks and assessment mode depends on the nature and objectives of the unit in question. Coursework shall normally be completed during the semester in which the Unit is delivered. Time-constrained assignments may be held between 8 am and 8 pm during the delivery period of a Unit, or at the end of the semester in which the Unit is completed. The dates are notified and published on the Institute notice boards or through other means of communication. Certain circumstances (such as but not limited to the COVID-19 pandemic) may lead Institutes and Centres to hold teaching and assessment remotely (online) as per MCAST QA Policy and Standard for Online Teaching, Learning and Assessment (Doc 020) available via link https://www.mcast.edu.mt/college-documents/ The Programme Regulations pertaining to this Programme's MQF/EQF level available at: link https://www.mcast.edu.mt/college-documents/, apply.
Grading System	All MCAST programmes adopt a Learner-centred approach through the focus on Learning Outcomes. The assessment of MCAST programmes is criterion-referenced and thus assessors are required to assess learners' evidence against a pre-determined set of Learning Outcomes and Assessment Criteria. For a student to be deemed to have successfully passed a unit, a minimum of 50% (grade D) must be achieved. All full time units are individually graded as follows: A* (90-100) A (80-89) B (70-79) C (60-69) D (50-59) Unsatisfactory work is graded as 'U'. Work-based learning units (where applicable) are graded on a Pass/Fail basis only.

	Some units which follow industry standards and regulations may also be graded on a Pass/Fail basis as per programme regulations referred below. Detailed information regarding the grading system may be found in the Programme Regulations pertaining to this programme's MQF/EQF Level available at: https://www.mcast.edu.mt/college-documents/ (Refer to DOC 003, 004 and 005)
Exit Point (where and as applicable)	Where a student will not make it to the Final Certification achievable from this Programme of Studies (as per Programme Regulations), one might wish to look into Exit Point possibilities as may be applicable to this programme for studies. Further information, is available at https://www.mcast.edu.mt/college-documents/, kindly refer to *DOC 077 Procedure for the processing of Claims for Certificates at Interim Exit Points.*
Contact details for Further Learning Opportunities	The MCAST Career Guidance Team, offers the service of qualified and experienced Career Advisers who will be very willing to discuss with potential applicants the course which best achieves one's career ambitions, as well as exploring one's education route, or similar. **MCAST Career Guidance** Tel: 2398 7135/6 Email: career.guidance@mcast.edu.mt
Regulatory Body/ Competent Authority Contact Details *(where applicable - in the case of a programme leading to Regulated Profession)*	EASA

Programme Structure	Unit Code	Unit Title	ECTS	Year	Semester
	ETAVN-204-2401	Human Factors for Aircraft Mechanics	4	1	1
	ETAVN-203-2402	Fundamentals in Electrical and Digital Techniques	3	1	1
	ETAVN-203-2403	Introduction to Aircraft Materials and Hardware	3	1	1
	ETAVN-205-2404	Introduction to Aircraft Structures and Systems	5	1	1
	ETKSK-203-2401	Mathematics	3	1	1
	ETKSK-203-2402	Physics	3	1	1
	ETKSK-203-2403	Information Technology	3	1	1
	ETKSK-203-2404	English	3	1	1
	ETKSK-203-2405	Il-Malti	3	1	1

Allocation of Total	The total learning hours required for each unit or module are determined as follows:			
	Credits (ECTS)	**Indicative**	**Self-Learning and**	**Total Student**

Learning Hours (per Unit)		contact hours[1]	Assessment Hours[3]	workload (hrs)[2]
	1	5 – 10 hrs	20 - 15 hrs*	25 hrs
	2	10 – 20 hrs	40 - 30 hrs*	50 hrs
	3	15 – 30 hrs	60 - 45 hrs*	75 hrs
	4	20 – 40 hrs	80 - 60 hrs*	100 hrs
	6	30 – 60 hrs	120 - 90 hrs*	150 Hrs
	9	45 – 90 hrs	180 - 135 hrs*	225 hrs
	12	60 – 120 hrs	240 - 180 hrs*	300 hrs
	Note: The 'Self-Learning and Assessment Hours[3]' amount to the difference between the 'Indicative Contact Hours'[1] and the 'Total Student Workload'[2]			

APPENDIX 1

MINIMUM CREDITS FOR QUALIFICATIONS AT DIFFERENT LEVELS

MQF Level	Minimum ECTS Required for a Qualification*
8	
7	30
6	180
5	30
4	30
3	60
2	60
1	40

* Programmes assigned fewer ECTS than indicated will be classified as Awards.

Reference: Fig.1: p48, Malta Further and Higher Education Authority (MFHEA) (October 2024). Referencing Report, 5th Revised Edition.

APPENDIX 2

EXAMPLES OF QUALIFICATION TYPES AT A SPECIFIC MQF LEVEL

MQF Level	Examples of qualification types at a specific MQF level (The list in this column is not exhaustive)	Number of ECTS *
8	Doctoral Programmes:	
	PhD	N/A
	Professional Doctorate	180
7	Master's Degree	90
	Postgraduate Diploma	60
	Postgraduate Certificate	30
6	Bachelor's Degree	180
	Bachelor's Honours	240
5	Undergraduate Higher Diploma	90
	Undergraduate Diploma	60
	Undergraduate Certificate	30
	VET Level 5	60
4	Advanced Diploma	120
	Pre-Tertiary Certificate	30 - 60
	MATSEC Matriculation Certificate (Advanced and Intermediate)	N/A
	VET Level 4	120
3	Certificate	60
	MATSEC Secondary Education Certificate	N/A
	VET Level 3	60
2	Foundation Certificate	60
	MATSEC Secondary Education Certificate	N/A
	VET Level 2	60
1	Introductory Certificate	40
	VET Level 1	40

* Programmes assigned fewer ECTS than indicated will be classified as Awards.

Reference: Fig.2: p48, Malta Further and Higher Education Authority (MFHEA) (October 2024). Referencing Report, 5th Revised Edition.

ETAVN-204-2401: Human Factors for Aircraft Mechanics

Unit level (MQF): 2
Credits: 4
Delivery Mode: Blended
Total Learning Hours: 100

Unit Description

The study of Human Factors is about understanding human behaviour and performance. When applied to the Aircraft Maintenance Environment, Human Factors knowledge is used to optimize the fit between people and the systems in which they work in order to improve safety and performance and reduce the amount of errors and mistakes that can lead to unnecessary costs, incidents or accidents. An understanding of the importance of human factors to aircraft maintenance engineering is essential to anyone considering a career as an aircraft maintenance unlicensed or licensed mechanic, technician or engineer. Human factors impinge on everything a person involved in aircraft maintenance does in the course of working duties in one way or another, from communicating effectively with colleagues, to ensuring they have the proper environment to carry out their tasks. Knowledge of this subject has a significant impact on the safety standards expected in aircraft maintenance. This unit covers essential aspects of human factors as related to aircraft maintenance such as, human performance and limitations, as well as elements of social psychology and factors affecting performance of a person. The physical environment found in aircraft maintenance, and the tasks involved during aviation maintenance are also tackled. The importance of communication and its contribution to avoid human error are also covered. Importance is also given to Management techniques required to avoid or detect errors and to properly manage safety in an aircraft maintenance environment. The unit requires a sound understanding of the underpinning knowledge and addresses the requirements of EASA Part-66 module 9 (Human Factors) at Category A level.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Make sure that the physical and psychological factors would not limit the performance of a person at work.*
2. *Develop proper relationships with colleagues, leaders, supervisors and management at the place of work*
3. *Carry out aircraft maintenance tasks properly to ensure an aircraft is safely released to service following maintenance.*
4. *Collaborate appropriately with colleagues when working in a group, ensuring proper teamwork when the group is forming a team.*

ETAVN-203-2402: Fundamentals in Electrical and Digital Techniques

Unit level (MQF): 2
Credits: 3
Delivery Mode: Blended
Total Learning Hours: 75

Unit Description

In this unit the learner is exposed to the basic principles about electricity, that a person working as a mechanic in aircraft maintenance should be aware of. This is important to enhance the health and safety requirements when a person is required on aircraft systems, that have become a part of almost every system that constitute a modern aircraft. A person, even if not dealing directly with the electrical part of the system, must be aware of, both for the personal safety, as well as for the aircraft system integrity. The part of the unit covering electrical fundamentals starts from the very basics of electricity by an overview of the electron theory, which is form where electric current originates. Following that an introduction to the principles of static is presented. This serves as a good introduction to the second part of the unit, related with aircraft digital systems, which nowadays have become very sensitive to electro-static discharge matters. The relationships between voltage, current and resistance is another topic covered, where the learner is explained also the effects these 3 electrical parameters affect each other in practice. The difference between DC and AC voltage and current is also highlighted in this unit. Methods of generating DC voltage and current are discussed, such as generation of voltage through electro-chemical means in batteries, generation of voltage through light and heat, as well as generating voltage through magnetism using rotating DC machines. Finally, before proceeding to the subsequent part of the unit, the learner will get a basic idea about AC voltage and current. Parameters like peak, RMS, Frequency and periodic time of an AC voltage or current waveform are discussed. Furthermore, in this unit, the learner obtains an introductory but comprehensive overview of electronic instrument systems, computer technology, electronic displays, electrostatic sensitive device handling, and typical aircraft systems. Candidates acquire foundational knowledge essential for understanding the operation of electronic systems within aircraft. They are introduced to the principles governing electronic systems, including basic computer architecture and the functioning of various electronic displays utilized in aviation. Additionally, the learner becomes informed about the risks associated with electrostatic discharge and the best practices necessary for handling sensitive electronic devices to prevent damage. The unit also covers typical aircraft systems, such as flight controls, engine control, avionics,

communication, and navigation systems, providing the learner with a broad understanding of the interconnected electronic systems that contribute to aircraft operation and safety.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Explain basic principles of electricity and the related terminology*
2. *Describe methods of generating and storing electricity.*
3. *Describe typical systems and cockpit layouts of electronic instrument systems.*
4. *Identify the basic components of a computer system and the proper handling of electrostatically sensitive devices.*

ETAVN-203-2403: Introduction to Aircraft Materials and Hardware

Unit level (MQF): 2
Credits: 3
Delivery Mode: Face to Face
Total Learning Hours: 75

Unit Description

In this unit learners will be introduced to the characteristics and properties materials that are used in the construction of aircrafts. These materials include Ferrous and Non-Ferrous materials, Composites and Non-metallic materials. Learners will be introduced to different electrical materials and components used in electrical systems. Reference is made to manuals related to electrical works. Learners will also be introduced to the various codes used on wires, cables and electrical components and will start to gain knowledge in interpreting such codes and the importance of inspection of electrical systems. Learners will be introduced to principle of corrosion; the different types of corrosion typically present on an aircraft and their effect on the structure. They will be presented with the typical defects that affect the performance of materials used in aircraft construction and are expected to understand the severity of such defects and material deterioration. The second part of the module introduces learners to the hardware and components used on civil and commercial aircraft. These include the several types of fasteners used in the assembly of the aircraft structure and the installation of aircraft onboard systems. Learners will be introduced to the different pipes and unions as well as control cable systems and components used in aircraft systems. The learner will be introduced to the different types of bearings and transmission systems in use. The unit requires a sound understanding of the underpinning knowledge and addresses the requirements of European Union Aviation Safety Agency (EASA) Part-66 module 6 (Materials and Hardware).

Learning Outcomes

On completion of this unit the learner will be able to

1. *Explain the different properties in ferrous and non-ferrous materials and explain the effect of corrosion on such materials.*
2. *Distinguish between different types of composites that are used in the aircraft structure and their possible defects.*
3. *Differentiate between to the various codes used on wires, cables and electrical components and recognize the importance of inspection of electrical systems.*
4. *Differentiate between different fasteners used in the aircraft structure.*
5. *Outline the application of pipes, unions, control cables, bearings and transmissions.*

ETAVN-205-2404: Introduction to Aircraft Structures and Systems

Unit level (MQF): 2
Credits: 5
Delivery Mode: Face to Face
Total Learning Hours: 125

Unit Description

Throughout this module, learners will explore the principles governing the construction, functionality, and maintenance of aeroplane structures, as well as the operation and maintenance of associated systems. Aeroplane structures form the backbone of aircraft design, ensuring structural integrity and durability during flight operations. Learners will be introduced into structural design principles, and inspection techniques essential for maintaining the airworthiness of aircraft components. In addition to structures, this unit also addresses the operation and maintenance of aeroplane systems, including hydraulic, pneumatic, instruments and avionics systems. Understanding these systems is crucial for ensuring the safe and efficient operation of aircraft. Through theoretical study and practical exercises, in this unit learners will therefore establish a solid foundation of aeroplane structures and systems. This unit also considers the evolving nature of the aviation industry, exposing learners to current industry practices and emerging technologies relevant to aeroplane structures and systems.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Outline the general concepts of the structure forming the airframe of an aircraft and the main sections that constitute the airframe structure.*
2. *Identify the function and purpose of aircraft air-conditioning pressurization and oxygen systems.*
3. *Outline the aircraft's hydraulic, flight controls and landing gear systems and components.*
4. *Discuss the function of a typical fuel system.*
5. *Outline the construction and purpose of an aircraft water waste system and cabin equipment.*
6. *Identify different aircraft instruments, avionics systems and their use.*

ETKSK-203-2401: Mathematics

Unit level (MQF): 2
Credits: 3
Delivery Mode: Face to Face
Total Learning Hours: 75

Unit Description

The aim of this unit is to develop the underpinning knowledge and reinforce the learner's knowledge in using mathematical principles in their studies and also in real life situations. Furthermore, this unit has also been designed to fulfil part of the requirements for EASA Part-66 CAT A Module 1 which consists of basic level of mathematics. Initially, the learner will become familiar with the number system, including integers, fractions, decimals, and negative numbers, learning to represent, compare, and order these numbers accurately. Building on this foundation, they will apply simple arithmetic operations—addition, subtraction, multiplication, and division—within the context of the number system to solve basic mathematical problems and perform mental calculations. Advancing their skills, students will tackle more complex calculations requiring correct arithmetic processes, managing multi-step problems, working with larger numbers, and applying mathematical principles to perform precise calculations, including long division and operations with fractions and decimals. They will also be introduced to basic algebra, using symbols and letters to represent numbers and express mathematical relationships, practicing techniques such as simplifying expressions, combining like terms, and using the distributive property to translate realworld situations into algebraic expressions. Finally, students will develop the ability to solve algebraic expressions and equations by employing manipulation techniques, understanding and applying principles such as isolating variables, balancing equations, and using inverse operations to find solutions to linear equations, inequalities, and more complex algebraic problems, thus enabling them to analyze and solve both mathematical and real-life problems involving unknown quantities.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Apply simple arithmetic operations using the number system*
2. *Carry out harder numerical calculations using the correct arithmetic process*
3. *Apply basic algebraic techniques*
4. *Solve algebraic expressions/equations through manipulation.*

ETKSK-203-2402: Physics

Unit level (MQF): 2
Credits: 3
Delivery Mode: Face to Face
Total Learning Hours: 75

Unit Description

This unit has been designed as an introduction for the EASA Part 66 Module 2 CAT A, which covers matter, mechanics and thermodynamics. The learners are introduced to the meaning of chemical and physical properties, and the different states of matter. The learner will be given an introduction to mechanics in relation to aviation. The areas of mechanics being introduced are statics, kinetics, dynamics and fluid mechanics. During statics, the learners are introduced forces acting on a system and static equilibrium.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Evaluate the importance of physical and chemical properties*
2. *Recognise the theories and concepts of statistics*
3. *Apply the laws of linear motion*
4. *Apply the laws of rotation motion.*

ETKSK-203-2403: Information Technology

Unit level (MQF): 2
Credits: 3
Delivery Mode: Face to Face
Total Learning Hours: 75

Unit Description

This unit is made up of a number of competences including the competence to use personal computers; the competence to manage efficiently a personal computer; the competence to operate effectively within the operating system and the competence to make productive, creative, and efficient use of the main office application software packages: word processing software, spreadsheet software, presentation software, web-browsing software & e-mail management software.

Learners will also be able to demonstrate basic knowledge skills and values of artificial intelligence, its uses, advantages and disadvantages with special attention to machine learning and computer vision in the real-world.

This unit is designed to ensure that learners are not only taught the knowledge and skills associated with productive, creative, and effective use of personal computers but should be given sufficient opportunities to find, exchange and share information. This should also ensure that learners develop the proper and correct attitudes associated with the use of information and ICT.

This unit should guide the learners to have a broad understanding of how ICT can help their learning, their work, and their social life. Learners will start to develop the ability to decide when and how to use ICT and be aware of the limitations associated with this use.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Manage computer essentials and file management.*
2. *Recognise online essentials and tools.*
3. *Use a word processing application to accomplish basic everyday tasks.*
4. *Use a spreadsheet application to input, format data and prepare charts.*
5. *Create basic presentations using presentation software.*

ETKSK-203-2404: English

Unit level (MQF): 2
Credits: 3
Delivery Mode: Face to Face
Total Learning Hours: 75

Unit Description

This unit highlights the importance of communication in a second language as a necessity for life, education and employment. It is targeted at learners enrolled on the Award in Basic Aviation Maintenance. English at Level 2 targets the four skills: listening, speaking, reading and writing. This unit is built with the view that communicative competencies are the targets of the teaching process. It aims to empower and help learners to develop communicative competencies through a range of meaningful contextualised activities presented in the classroom. This unit evolves around the learners' abilities and interests. Therefore, the tasks will be contextualised to keep the language relevant. Through this process, the learner will therefore experience the language in the various aspects of life, including basic functional needs and general knowledge, as well as through the chosen vocational area – hence appreciating how 'functional' English can be useful and necessary in the present multicultural social context.

Communicating in English considers all four language skills of listening, speaking, reading and writing in meaningful situations or contexts with different objects to meet one's own communication needs or social communication requirements. Communicative competencies are analysed and practised, closely related to themes and topics in a meaningful, contextualised environment. Emphasis is placed on knowing how to use a language rather than just knowing about a language.

Learning Outcomes

On completion of this unit the learner will be able to

1. *Identify standard speech used at work or in everyday settings.*
2. *Speak effectively using appropriate register and vocabulary during communication scenarios to deliver a clear message.*
3. *Read a level-appropriate given text to identify suitable responses.*
4. *Produce simple connected text used in work-related correspondence and work settings.*

ETKSK-203-2405: Il-Malti

Il-Livell tal-Unità (MQF): 2
L-Għadd ta' Kreditu: 3
Mod ta' Tagħlim: Preżenti
Total ta' Sigħat ta' Tagħlim: 75

Deskrizzjoni Ġenerali tal-Unità

Il-Malti huwa l-ilsien nazzjonali tal-pajjiż. Huwa l-ilsien nattiv tal-istudenti li se jkunu qed isegwu din l-unità. Għaldaqstant m'hemmx dubju dwar l-importanza li l-istudenti għandhom ikunu profiċjenti fi lsien pajjiżhom, l-ilsien li ġeneralment iridu jikkomunikaw bih, kemm fil-ħajja tagħhom ta' kuljum u b'mod speċjali fuq il-post tax-xogħol.

Din l-unità hija msejsa fuq l-erba' ħiliet prinċipali tal-lingwa: 1) il-Qari; 2) is-Smigħ; 3) il-Kitba u 4) it-Taħdit. L-għan ewlieni huwa li l-istudenti jiġu mħarrġa f'dawn l-erba' ħiliet biex jibnu fuq dak li diġà jafu u jkomplu jtejbuh. Fil-fatt, il-livell f'din l-unità jkompli jibni fuq il-ħiliet miksuba fl-unità tal-ewwel livell.

Il-kuntest tat-tagħlim u t-tgħallim tal-erba' ħiliet jibqa' ġeneralment marbut mas-settur tal-avjazzjoni. Għaldaqstant, f'din l-unità l-istudenti se jkunu preżentati prinċiparjament b'materjal bil-Malti li jinteressahom mill-qrib u li se jkompli jkabbar l-għarfien ġenerali tagħhom dwar l-avjazzjoni. Temi kurrenti oħra dwar il-ħajja ta' kuljum jistgħu wkoll jiġu preżentati u mistħarrġa.

Il-qari, is-smigħ, il-kitba u t-taħdit huma l-qofol tal-komunikazzjoni. Kull persuna Maltija għandha tħossha kunfidenti meta tiġi biex tikkomunika bil-Malti, kemm verbalment u kemm bil-kitba. Biex l-istudenti jkomplu jtejbu l-Malti miktub tagħhom, f'din l-unità se tkompli tingħata importanza lill-ortografija, b'enfasi fuq regoli importanti tal-grammatika. L-għan mhuwiex li l-istudenti jsiru familjari ma' listi ta' termini grammatikali jew li l-istudenti jaħdmu eżerċizzji ripetuti tal-grammatika. L-għan hu li jkunu jafu jħaddmu regoli importanti tal-grammatika biex jiktbu b'Malti ortografikament tajjeb. Dan se jkun qed isir dejjem f'kuntest, b'mod partikulari f'kuntest marbut mas-settur tal-avjazzjoni.

Il-Kisbiet mit-Tgħallim

Biex l-istudent jikseb din l-unità irid juri li kapaċi:

1. *Jidentifika t-tifsir primarju ta' testi moqrija aktar impenjattivi.*
2. *Jagħraf il-messaġġi ewlenija ta' kuntesti varji ta' smigħ aktar impenjattivi.*
3. *Jipproduċi kitbiet aktar impenjattivi dwar s-settur tal-avjazzjoni.*
4. *Jikkomunika b'Malti tajjeb u b'mod kunfidenti dwar suġġetti differenti permezz tat-taħdit.*
5. *Japplika regoli importanti tal-grammatika għal aktar tisħiħ fl-ortografija.*

ETKSK-203-2412: Il-Malti għall-ħaddiema li jaħdmu fl-avjazzjoni 1

Il-Livell tal-Unità (MQF): 2
L-Għadd ta' Kreditu: 3
Mod ta' Tagħlim: Preżenti
Total ta' Sigħat ta' Tagħlim: 75

Deskrizzjoni Ġenerali tal-Unità

L-influss tal-istudenti fl-MCAST, fid-Dipartiment tal-Avjazzjoni, Trasportazzjoni u Loġistika, li jkunu ġejjin minn pajjiżi oħra qed jiżdied. Il-Malti huwa l-ilsien nazzjonali ta' Malta u wieħed miż-żewġ ilsna uffiċjali u jintuża mill-maġġoranza tal-popolazzjoni biex tikkomunika. Il-Malti huwa wkoll il-lingwa li tintuża minn numru sostanzjali ta' għalliema ta' suġġetti varji l-aktar f'kuntest fejn tinħass il-ħtieġa għal spjegazzjoni aktar dettaljata ta' kunċetti diffiċli. Għalhekk dawk l-istudenti li jkunu ġejjin minn pajjiżi oħra jeħtieġu li jkollhom il-faċilità u l-għodda meħtieġa sabiex ikollhom aċċess sħiħ għal edukazzjoni ħolistika u ta' kwalità f'pajjiżna.

Għaldaqstant dan is-suġġett ser ikun ta' għajnuna bażika biex l-istudenti barranin jisfruttaw il-potenzjal tagħhom f'Malta u ma jsibux xkiel u tfixkil minħabba n-nuqqas ta' profiċjenza fil-lingwa tal-pajjiż residenti. Dan is-suġġett għandu jitfassal bil-għan li jgħin studenti barranin jitgħallmu Malti bażiku biex jgħinhom fis-settur tal-avjazzjoni bħala lingwa barranija. Huwa suġġett għalkollox differenti mill-Malti li jitgħallmu l-istudenti Maltin għaliex aktar mill-perċezzjoni grammatikali u mill-ħakma tal-lingwa li huma meħtieġa għall-istudenti ta' lingwa nattiva, se jfittex li jħarreġ lill-istudenti barranin f'lingwa ġdida u li qatt ma kienu esposti għaliha la d-dar u lanqas fil-komunità fejn jgħixu.

L-istudenti eleġibbli għal dan is-suġġett mhumiex studenti Maltin iżda huma studenti barranin. Dawn l-istudenti huma residenti hawn Malta u m'għandhomx il-Malti bħala l-lingwa nattiva. La kienu esposti għaliha d-dar u lanqas fil-komunità fejn jgħixu. Dan is-suġġett mhuwiex għal studenti Maltin li għalkemm twieldu, għexu u kienu esposti għall-Malti fil-komunità fejn jgħixu, jitkellmu bl-Ingliż jew lingwi oħra. L-iskop ta' dan is-suġġett ser ikun ukoll li joħloq sens ta' ekwità bejn l-istudenti kollha.

Il-Kisbiet mit-Tgħallim

Biex l-istudent jikseb din l-unità irid juri li kapaċi:

1. *Jidentifikaw kliem familjari u xi frażijiet bażiċi fuqhom infushom, fuq il-familja tagħhom u fuq l-ambjent ta' madwarhom meta n-nies jitkellmu bil-mod u ċar.*
2. *Jaqraw ismijiet u kliem familjari u sentenzi sempliċi.*
3. *Jużaw vokabularju bażiku biex jagħmlu mistoqsijiet u tweġibiet sempliċi għall-bżonnijiet immedjati u suġġetti familjari ħafna.*
4. *Jużaw frażijiet u sentenzi sempliċi biex jiddeskrivu lilhom infushom, fejn joqogħdu u lin-nies li jafu.*