

Avicenna International College
International Foundation Program

Student Handbook
Avicenna Medical Foundation Program

2020 - 2021
Academic Year

INTRODUCTION

Avicenna International College (AIC) provides programs at secondary and post-secondary levels. Hungarian and international students join AIC to enjoy a world-class education. AIC is an elite college located in the heart of Budapest with Hungarian, British, American, and international programs. Students are at the center of all our programs. AIC is well known for its expertise in language and science education in English. Our NCUK and Medical programs are among the best in Europe.

MISSION

Avicenna International College prepares and educates its students to be responsible citizens, enjoy learning, develop academically, and pursue a successful higher education. The passion for knowledge and lifelong learning is an integral part of our education.

Non-degree education/training, expansion of learning world languages, art and career training, the publication of books and extracurricular materials, the online, and multimedia content development are among the missions of AIC.

Avicenna International College is dedicated to being a partner of the success of its students all around the world.

VISION

Avicenna International College will be among the most respected international academic and scientific centers which strive to globalize its modern Avicenna-minded approach to the development of human capacities and will become a pioneer model in this respect.

AIC will become a leader among international schools and colleges, recognized for its outstanding students, dedicated faculty, and rich educational programs.

VALUES

Avicenna is a caring, safe, and highly academic community with a focus on “holistic approach”, “problem-solving” and “interactive learning”.

Avicenna promotes mutual respect for self and others and involves students in building a home away from their home.

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The Message of the President

I am delighted to welcome you to Avicenna International College (AIC). We are celebrating our 25th anniversary in 2020, a quarter of century experience in international education in Budapest. Today, more than any time, there is a need for a unique educational model that can meet the needs of the young generation and also satisfy the standards of international education. Not even the difficult times of the Corona pandemic should be able to take away our attention from this important mission. When you joined Avicenna, my colleagues, you and I decided that we will take this responsibility together, and we all will work hard to reach the goals and deliver the best. Our teachers are dedicated, well-trained, experienced and proud to take part in this unique task. Yet, it is YOU who will be in the center of all our academic and educational efforts. It is all about YOU. We are here because YOU are here. We will work together, we will learn together, we will grow together. We are partners and we would like to be a partner in your “success” and nothing less.

Future is yours and we have rendered ourselves to play our parts in helping you raise as the responsible citizens of the world. I guess this is the best time to understand and feel the idea of “citizen of the world”. When could we better understand the interconnection of our world? When could we see better the effect of human action in a far part of the world on the lives of other people on the other side of the planet? Today we see and feel it. We should all work, study and learn together for a better life tomorrow. We work “today” to build “tomorrow”.

Many of our past students are now among successful medical doctors, engineers, and business experts in Europe, the United States, or other countries. We are always proud and happy to hear about the success of our students. AIC has proven to be the leading institution in Europe to prepare non-European students for medical schools. At AIC, we target a 100% success rate, no student is neglected or left behind. Therefore, I would like to encourage you to start this academic year with full energy and hope.

At Avicenna, we place great emphasis on “problem-based learning”, “interactive education” and “critical thinking”. We will not only teach biology, chemistry,

mathematics, and other subjects, we will teach you how to learn these subjects, how and where to find answers to your questions, how to solve problems and feel confident enough to bring new ideas to the attention of your teachers and classmates. This is our Avicenna methodology for education. We believe that you can and should explore your potentials and capacities. You should achieve maximum development of your competencies with the help of educators. High academic achievements, successful higher education, and preparation for undertaking independent social roles are among our goals for Avicenna students.

At AIC, we provide Hungarian, British, American, and international education in the heart of Budapest. Avicenna is your “Home away from Home”. Welcome home, study hard, stay happy and healthy.

Dr. Shahrokh MirzaHosseini,

Founding President

Member of the European Academy of Sciences and Arts

Academic Calendar / 2020-2021 Academic Year

The Academic Calendar presents the most important dates and events during the 2020-2021 academic year. These dates and events may be subject to change that will be communicated to all students via email.

AVICENNA FOUNDATION PROGRAM

DATE	EVENT
2020/09/21	First day of 2020-2021 academic year Start of Semester I
2020/10/23	National Holiday (Commemoration of 1956 Revolution and Freedom Fight).
2020/12/16-17-18	The Semi-Final exam End of Semester I
2020/12/19 - 2021/01/04	The Winter Break Period
2021/01/04	The first day of school after winter break Start of Semester II
2021/01/04-05-06	The Semi-Final Exam Retake
2021/03/15	Public Holiday
2021/04/16-17	The Final Exam End of Semester II

Internal and External Exam Dates and Retake Exams

While you study at AIC, you will participate in two types of exams and tests.

Internal Exams refer to the exams that are organized by the AIC teachers and faculty. These exams usually include WPT (Weekly Progress Test), Midterm, Semifinal and Final.

External exams are the exams that are usually managed by AIC in the premises of college but they are owned and organized by external bodies. Examples of “External Exams” are the language exams of NCUK ELT or A Level exams or IMAT and BMAT. You will take some of these exams during the course of your study at AIC. By completing these exams you will be able to get a second high school diploma or language certificates or other international qualifications.

In many cases you will have the chance to retake an exam in order to improve your scores or in case you have missed an exam for acceptable reasons. In some cases you can not repeat an exam.

The following exams are scheduled for this grade at this academic year.

2020/12/16-17-18	Semifinal Exams period
2021/04/16-17	Final Exams period

Apart from the above exams, all students should take part in the WPT (Weekly Progress Test) on Monday mornings. This test will review the material taught during the previous week.

Also the teachers can organize tests, projects and other quizzes in each subject during the year. Usually these tests are mentioned in the Detailed Syllabus sections.

Credits and Subjects List

During this academic year you will study the following subjects which are required for your graduation from high school. You can find the definition and detailed syllabus of each subject in this Student Handbook.

Avicenna Medical Foundation Program Credits	Hours/week	Total hours
General Biology	6	18
Cell and Molecular Biology	6	42
Medical Genetics	6	24
Medical Microbiology	6	18
Medical Immunology	6	18
Human Physiology	6	48
General Chemistry	6	78
Organic Chemistry	6	42
Biochemistry	6	48
Histology	1	28
Human Anatomy	2	56
Mathematics	3	84
Medical English and Terminology	1	28
English for Academic Purposes	4	112

Weekly Class Schedule

To cover the subjects provided in this grade at this academic year, you should actively participate in all the classes and activities. Your Weekly Class Schedule is shown below. Please remember that there will be extra activities which are not mentioned in this schedule and you will be informed about them in time by your teachers. The weekly schedule of online education may be different from this schedule. Please consult the AIC website or talk to your teachers for extra and up-to-date information.

					AIC AMFP Weekly Schedule				
					Monday	Tuesday	Wednesday	Thursday	Friday
1	8:30	-	9:15	Medical English and Terminology (Mr. Steve - Room 209)					
2	9:30	-	10:15	EAP (Mr. Coulibaly - Room 209)	Chemical Sciences practice (Dr. Arash - Room 209)	Human Anatomy (Prof. Katz - Room 209)	EAP (Mr. Coulibaly - Room 209)	Mathematics (Dr. Panahi - Room 209)	
3	10:30	-	11:15	EAP (Mr. Coulibaly - Room 209)	Biological Sciences lecture (Mr. Harout - Room 209)	Human Anatomy (Prof. Katz - Room 209)	Mathematics (Ms. Bozai - Room 209)	Biological Sciences practice (Mr. Harout - Room 209)	
4	11:30	-	12:15	WPT (Room 209)	Biological Sciences lecture (Mr. Harout - Room 209)	Biological Sciences lecture (Mr. Steve - Room 209)	Biological Sciences lecture (Mr. Steve - Room 209)	Biological Sciences practice (Mr. Harout - Room 209)	
Lunch	12:15	-	13:30						
5	13:30	-	14:15	Mathematics (Dr. Panahi - Room 209)	Mathematics (Ms. Bozai - Room 209)	Biological Sciences lecture (Mr. Harout - Room 209)	Biological Sciences lecture (Mr. Steve - Room 209)		
6	14:30	-	15:15	Mathematics (Dr. Panahi - Room 209)	Chemical Sciences lecture (Dr. Mehran - Room 209)	Chemical Sciences lecture (Dr. Mehran - Room 209)	Chemical Sciences lecture (Dr. Mehran - Room 209)		
7	15:30	-	16:15	EAP (Mr. Todosie - Room 209)	Chemical Sciences lecture (Dr. Mehran - Room 209)	Chemical Sciences lecture (Dr. Mehran - Room 209)	Chemical Sciences lecture (Dr. Mehran - Room 209)		

List of Books and Resources

The following books will be used for this grade during this academic year. Some of these books may be used for more than one grade. So, please take good care of your books. You should also use the library and internet to get extra material to read.

Avicenna Medical Foundation Program / NCUK Science Stream - List of Textbook Resources	
Book Title	ISBN
General Chemistry (Avicenna Publications)	
Organic Chemistry and Biochemistry (Avicenna Publications)	
Chemical Sciences Practice Book (Avicenna Publications)	
Cell and Molecular Biology (Avicenna Publications)	
Medical Genetics (Avicenna Publications)	
Medical Immunology and Microbiology (Avicenna Publications)	
Human Physiology (Avicenna Publications)	
Biological Sciences Practice Book (Avicenna Publications)	
Biology and Chemistry Interview Practice Book (Avicenna Publications)	
Mathematics Practice Book (Avicenna Publications)	
Mathematics for the IB Diploma Standard Level (Cambridge University Press)	9781107613065
Oxford EAP B1+ (Oxford University Press)	978-0-19-400201-1
Oxford EAP B2 (Oxford University Press)	978-0-19-400178-6

Detailed Syllabus of Subjects

It is important for our students and teachers to follow a well-structured program of education. We have developed a detailed syllabus plan for the whole year which is divided into weeks and even sessions. This plan is based on the requirements of the Hungarian government and the international accreditation bodies.

When you follow this plan, you will know exactly what you will learn in each subject during this year. You even know what will be taught in each session during the year. You also have this detailed information both in English and in Hungarian. The references and extra material is also available for you.

The same structure is followed on our online education system. Therefore, you can strengthen your knowledge in each subject by reviewing the material available online.

General Biology Syllabus Class Outlines (3*2=6 lectures/week) 3(weeks)*6=18 lectures per year		NCUK	
Week #	Lecture content		
GENERAL BIOLOGY		NCUK Supplement	Practical/Lab Activity
Week 1	Characteristics of living organisms, levels of organization	Types of bonding (ionic, covalent and H bonds) Demonstrate condensation reaction using diagrams and animations.	Demonstrate the use of buffers, acids, alkalis and the universal indicator. Qualitative test for a reducing sugar (Benedict's test). Demonstrate Iodine test for Starch.
	Inorganic compounds in our body: water and minerals		
	Organic compounds: carbohydrates, Reducing sugars and non-reducing sugars.		
Week 2	Lipids and steroid compounds	Introduce lipids as a 3rd class of non-polymeric biological molecules. Explain induced fit theory of enzyme action. Effects of enzyme concentration and substrate concentration on rates of enzyme-catalyzed reactions.	Demonstrate Emulsion test for lipids. Biuret test for proteins. Investigate the effect of pH using powdered skimmed milk as a substrate and show how buffers are used to control pH. This topic provides an opportunity for
	Amino acids		
	Proteins: their structure and function, enzyme structure and mechanism (allostery)		

			<p>INDEPENDENT RESEARCH into examples of how proteins are used in cells (transport proteins, enzymes, hormones and membrane proteins)!</p> <p>Good opportunity for INDEPENDENT RESEARCH into various aspects of enzyme use in commercial contexts!</p> <p>Demonstrate action of catalyst using manganese (iv) oxide and hydrogen peroxide to produce oxygen gas as a visual method of explaining the activation energy process.</p>
Week 3	Nucleic acid structure and function, special nucleotides and their function		Give students some data sets of results or get them to generate some data sets in a practical exercise.
	Interpretation of scientific data and presentation of data		
	Scientific literature review ?		

Cell & Molecular Biology Syllabus Class Outlines (3*2=6 lectures/week) 7(weeks)*6=42 lectures per year		NCUK	
Week #	Lecture content		
CELL & MOLECULAR BIOLOGY		NCUK Supplement	Practical/Lab Activity
Week 4	Basic concepts: Introduction to cell & molecular biology	Describe features of the light microscope. Outline components of microbial cells.	Students can carry out simple activities with the light microscope and calibrate them. Students can observe a range of plant and animal cells. This could include the observation of electron micrographs.
	Membrane: Cell membrane, junctions		
	Movement of substances through membranes: passive and active transport, passive and facilitated diffusion		Opportunity for an assessed formative investigation!
Week 5	Movement of substances through membranes: osmosis, active transport, vesicular transport		Determining the water potential of a cell using potatoes/ onions and salt/sucrose solution and employing the mass method. Measure the average water potential of cells at incipient plasmolysis. Define incipient

			<p>plasmolysis and provide large scale images for pupil identification and recognition before using microscopes.</p> <p>Place onion cells in various concentrations of sucrose solutions. Work out the percentage plasmolysis (number cells plasmolysed/total number cells in field of view). Plot line graph of the percentage plasmolysis against concentration of solution. Work out solute potential using graph for 50% plasmolysis and employing formula i.e. at this point $\psi_p = 0$.</p>
	Membrane receptors		
	Organelles: Endoplasmic reticula, ribosomes		
Week 6	Golgi, lysosomes, peroxisomes, mitochondrion		
	Glucose catabolism: glycolysis, citric acid cycle	Outline the major structures of the human digestive system to include: mouth, oesophagus, stomach, pancreas, small intestine, large intestine, rectum, anus.	

		Outline the breakdown of starch (carbohydrate) to glucose.	
	Glucose catabolism: oxidative phosphorylation, fermentation		Use of respirometers to work out the rate of anaerobic respiration in yeast.
Week 7	Chloroplast, plastids and other plant organelles		
	Photosynthesis: Light-dependent and dark reactions	Cyclic and non-cyclic photophosphorylation and dark reaction (not in detail).	<p>Students can carry out a simple chromatography experiment to illustrate the presence of more than one pigment present in plants. Include the calculation of Rf values.</p> <p>Use a website to show absorption spectra and action spectrum. Highlight the difference between these two spectra – absorption spectra is the action of the pigments within plants, the action spectrum is the wavelengths of light.</p> <p>Effect of limiting factors on the rate of photosynthesis:</p> <ul style="list-style-type: none"> - Investigate the limiting factors of photosynthesis using a

			water plant such as Elodea.
Leaf structure, Water movement/Transpiration		<p>Outline the structure of a plant.</p> <p>Cross section of a leaf</p> <p>Function of xylem, phloem, stomata, epidermis, palisade layer, waxy cuticle.</p> <p>Understand transpiration and the factors influencing its rate. Effect of light, temperature, humidity and air movement.</p> <p>Diagrams of cross section through a dicotyledonous root showing apoplastic and symplastic pathways. Understand the movement of water through xylem.</p> <p>Cohesion tension illustrated as water being “sticky” Stress the key point about water being pulled up the xylem in a continuous column.</p>	<p>Students can carry out a simple leaf dissection exercise and use microscopes to identify various structures of a typical dicotyledonous leaf.</p> <p>Transpiration and mechanism of regulation by guard cells:</p> <ul style="list-style-type: none"> - Estimating the number of stomata on the underside of a dicotyledonous leaf. <p>Investigation of factors affecting the rate of transpiration:</p> <ul style="list-style-type: none"> - Use a bubble potometer to measure the rate of water uptake and influence of external factors on water uptake. <p>END OF SEMESTER 1 FOR NCUK, WEEK NO. 14</p>

		Illustrate root pressure.	NEXT WEEK IS FOR REVISION AND EOS1!!
Week 8	Cytoskeleton		
	Nucleus and the condensation of DNA, chromatin		BEGINNING OF SEMESTER 2 FOR NCUK!!
	Chromosomes, human karyotype		
Week 9	Molecular biology: DNA replication in prokaryotes and eukaryotes	Explore the work of Messelsohn and Stahl to show the evidence for semiconservative replication.	
	Central dogma, transcription		
	Post-transcriptional modification and gene expression		
Week 10	Translation, the principle of colinearity		
	Cell cycle, mitosis and its phases		MITOSIS: Root tip squash using onion root meristem tissue, (Toluidine blue can be used as a stain for DNA with no need to heat – easier to use than aceto-orcein)
	Meiosis and gametogenesis in males and females		

Medical Genetics Syllabus Class Outlines (3*2=6 lectures/week) 4(weeks)*6=24 lectures per year		NCUK	
Week #	Lecture content		
	MEDICAL GENETICS	NCUK Supplement	Practical/Lab Activity
Week 11	Mendelian genetics, pedigree charts, laws of Mendel	Understand the inheritance of traits showing discontinuous variation. Teach pupils the test cross method of determining the genotype of an unknown organism.	
	Autosomal recessive and dominant diseases		
	Sex determination, sex-linked diseases and traits, sex-influenced traits		
Week 12	Exceptions from Mendelian genetics		
	Mutations and chromosomal abnormalities		
	Inheritance of mitochondrial genes		
Week 13	DNA repair		
	Gene regulation, the Lac Operon		
	Recombinant DNA technology, genetic engineering	An overview of the importance of genetic engineering in modern day biology.	

		<p>Cutting DNA at specific, palindromic recognition sequences using restriction endonucleases.</p> <p>The use of a range of methods to show that DNA has been successfully taken up by an organism.</p> <p>To understand how DNA can be inserted into a host cell to be replicated in vivo and the required protein expressed. Highlight that microorganisms are used as recipient organisms due to their rapid life cycle.</p> <p>Outline the role of bacterial cells and structures in gene cloning., and how it is useful in the production of recombinant materials for use in medicine, agriculture and industry.</p> <p>Use of DNA probes and markers</p>	
Week 14	Origin of Life, Chemical evolution, RNA world		
	Basic concepts of evolution		

	Population genetics		
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**Medical Microbiology Syllabus Class Outlines (3*2=6 lectures/week)
3(weeks)*6=18 lectures per year**

<i>Week #</i>	<i>Lecture content</i>
MEDICAL MICROBIOLOGY	
Week 15	Introduction to medical microbiology, classification of pathogens
	Structure and classification of viruses
	Viral cycle
Week 16	Bacteria
	Classification, morphology, reproduction of bacteria
	Growth pattern, antibiotics, resistance
Week 17	Gastrointestinal microbiota
	Viral and bacterial diseases
	Fungi, worms, parasites/protista

**Medical Immunology Syllabus Class Outlines (3*2=6 lectures/week)
3(weeks)*6=18 lectures per year**

<i>Week #</i>	<i>Lecture content</i>
MEDICAL IMMUNOLOGY	
Week 18	Introduction to medical immunology, lymphatic system
	Leukocytes
	Nonspecific immune response
Week 19	MHC molecules, specific immune responses
	Antibodies
	Types of immunity, vaccination
Week 20	Hypersensitivity, allergy, inflammation
	Organ transplantation
	Blood transfusion, blood groups

Physiology Syllabus Class Outlines (3*2=6 lectures/week) 8(weeks)*6=48 lectures per year		NCUK	
Week #	Lecture content		
PHYSIOLOGY		NCUK Supplement	Practical/Lab Activity
Week 21	Cardiovascular system, morphology of the heart, blood circulations in the body, lymphatic system, cardiac cycle, measuring the activity of the heart	Overall structure of the heart.	
	Physiological measures of the cardiovascular system		
	Blood vessels, blood, coagulation, hematopoiesis		
Week 22	Morphology of respiratory system, respiratory movements, gas exchange and transport	Overall structure of the respiratory system.	
	Physiology and diseases of respiration. Morphology of digestive system, structure of teeth		
	Ingestion, digestion, absorption, excretion (vitamins, nutrients, functions of the liver, lipid metabolism)		
Week 23	Morphology of urinary system, structure and function of nephrons		
	Function of nephrons in more details and the JGA	Understand the principle of negative feedback as exemplified by the role of ADH in osmoregulation in mammals.	
	Regulation of urine formation	Function of the kidney in relation to regulation of urea and water	

		potential of the body.	
Week 24	Nervous system functions (sensory and motor functions, basic division of CNS/PNS)		
	Nervous tissue, synapse, action potential		
	Brain structure, functions of the brain		
Week 25	Spinal cord, spinal reflexes, autonomic nervous system, sensory pathways (smell, taste, skin senses)		
	Eye and mechanism of vision, ear and mechanism of hearing and balance		
	Autocrine and paracrine systems, endocrine system, hypothalamus, hypophysis		
Week 26	Classification of hormones, feedback mechanisms		
	Thyroid gland, pancreas and their diseases		
	Adrenal gland and its diseases, gonads		
Week 27	Morphology of male reproductive organs, spermatogenesis, spermiogenesis	Notes and diagrams to show how the testes are controlled by negative and positive feedback mechanisms.	
	Morphology of female reproductive organs, oogenesis, ovarian cycle, menstrual cycle	Notes and diagrams to show how the mammalian oestrus cycle is controlled by negative and positive feedback mechanisms.	

	Types of reproduction, fertilization, basic embryology		
Week 28	Systematic Review		

General Chemistry Syllabus Class Outlines (3*2=6 lectures/week)
13(weeks)*6=78 lectures per year

<i>Week #</i>	<i>Lecture content</i>
GENERAL CHEMISTRY	
Week 1	Basic atomic structure of matter: Properties of matter, atoms, compounds, ions
	Atomic theory, atomic numbers, isotopes, mole concept
	Chemical formulae, periodic table
Week 2	Electronic structure and Periodic table: Electronic structure, quantum numbers
	Periodic properties
	Chemical bonds: Metallic bond, ionic bond, Coulomb law
Week 3	Covalent bond, coordinate bond
	Lewis structure, octet rule, exceptions from octet rule
	Resonance, formal charge
Week 4	Molecular geometry
	Polarity of covalent bonds and molecules
	Intermolecular forces and their relationship with physical properties
Week 5	States of matter: gas, ideal gas law, phase diagram, liquids
	Solids, types of lattices
	Solutions: Classification of solutions, solubility, solution process, gas solutions, Raoult law

Week 6	Concentration units
	Calculations with concentration units
	Concentration calculations
Week 7	Factors affecting solubility, colligative properties
	Chemical equilibrium: Chemical kinetics, rate laws, factors affecting rate
	Collision theory, transition-state theory, catalysis
Week 8	Chemical equilibrium, law of mass action, Le Chatelier principle
	Gas and heterogeneous equilibria, self-ionization of water, weak acid dissociation, precipitation
	Acids and bases: Acid-base theories, common types of acids
Week 9	Acidity and molecular structure
	Ionization of strong electrolytes in water, ionization of weak electrolytes in water
	Degree of ionization and its pH dependence, pH, pOH and their calculation
Week 10	Calculations with concentration units and pH
	Neutralization, pH of salt solutions, ion hydrolysis
	Buffer components and capacity, Henderson-Hasselbach equation, physiological buffers
Week 11	Thermochemistry: Thermochemistry, enthalpy, Hess law
	Gibbs free energy, entropy, endothermic/exothermic and endergonic/exergonic processes
	Specific heat, heat capacity
Week 12	First law of thermodynamics, second and third laws of thermodynamics
	Redox and electrochemistry: Redox reactions, oxidation numbers, Galvanic cells

	Electrolysis
Week 13	Review
	Review
	Review

Organic Chemistry Syllabus Class Outlines (3*2=6 lectures/week)
7(weeks)*6=42 lectures per year

<i>Week #</i>	<i>Lecture content</i>
ORGANIC CHEMISTRY	
Week 14	Characteristics of organic compounds, Wöhler experiment, carbon hybridization
	Organic functional groups
	Saturated hydrocarbons - alkanes, cycloalkanes
Week 15	Unsaturated hydrocarbons - alkenes, alkynes
	Aromatic hydrocarbons
	Halogenated hydrocarbons, naming of hydrocarbons
Week 16	Isomerism - constitutional isomers
	Isomerism - configurational isomers
	Isomerism - conformational isomers
Week 17	Hydroxyl compounds - alcohols, enols
	Phenols
	Ethers, sulfur containing compounds - thiols, disulfides, thioethers
Week 18	Aldehydes, hemiacetals, acetals
	Ketones, hemiketals, ketals
	Carboxylic acids and their derivatives - anhydrides, acyl halides

Week 19	Esters, thioesters, urea, thiourea, organic phosphates
	Amines, amides
	Heterocyclic compounds
Week 20	Review
	Review
	Review

Biochemistry Syllabus Class Outlines (3*2=6 lectures/week)

8(weeks)*6=48 lectures per year

<i>Week #</i>	<i>Lecture content</i>
BIOCHEMISTRY	
Week 21	Basic concepts: Introduction to biochemistry
	Energetics and thermodynamics of biochemical processes
	Metabolic pathways
Week 22	Carbohydrates: Monosaccharides
	Disaccharides
	Polysaccharides
Week 23	Lipids: Fatty acids
	Triglycerides
	Phospholipids, micelles, tensids
Week 24	Steroids
	Eicosanoids
	Peptides: Amino acids and their characteristics
Week 25	Peptide formation and protein structure
	Enzyme mechanism
	Protein denaturation

Week 26	Nucleic acids: Nucleosides, nucleotides
	DNA, RNA
	Metabolism: Anabolic pathways, photosynthesis
Week 27	Catabolism: glycolysis, pyruvate dehydrogenation, lactate fermentation
	Catabolism: citric acid cycle
	Catabolism: oxidative phosphorylation, beta oxidation
Week 28	Systematic review
	Systematic review
	Systematic review

Histology Syllabus Class Outlines (1 lecture/week)
28(weeks)*1=28 lectures per year

<i>Week #</i>	<i>Lecture content</i>
HISTOLOGY	
Week 1	Introduction to histology. Overview of tissues. Epithelial tissues I.
Week 2	Epithelial tissues II.
Week 3	Connective tissues. Cells and fibers of connective tissues. Connective tissue types.
Week 4	Cartilage and bone tissues.
Week 5	Blood.
Week 6	Muscle tissues (skeletal, visceral striated, heart and smooth muscles).
Week 7	Nervous tissue.
Week 8	Gametogenesis: conversion of germ cells into male and female gametes.
Week 9	From ovulation to implantation.
Week 10	Second week of development: bilaminar germ disc.
Week 11	Third week of development: trilaminar germ disc.
Week 12	Third to eighth weeks: the embryonic period.
Week 13	Derivatives of the 3 germ layers.
Week 14	Histology of the respiratory system.

Week 15	Histology of the tooth, tongue, esophagus and stomach.
Week 16	Histology of the liver and pancreas.
Week 17	Histology of the small and large intestines.
Week 18	Histology of the lymphatic organs.
Week 19	Histology of the urinary system.
Week 20	Histology of the male genitalia.
Week 21	Histology of the female genitalia.
Week 22	Histology of the spinal cord and cerebral cortex and the cerebellum.
Week 23	Histology of the ganglia and peripheral nerve.
Week 24	Histology of the eye.
Week 25	Histology of the ear.
Week 26	Histology of the endocrine organs.
Week 27	Histology of the neuroendocrine system.
Week 28	Review

Human Anatomy Syllabus Class Outlines (2 lectures/week)
28(weeks)*2=56 lectures per year

<i>Week #</i>	<i>Lecture content</i>
HUMAN ANATOMY	
Week 1	Introduction to the gross anatomy: terminology, planes and orientation. Bones of the shoulder girdle and upper limb.
Week 2	Continuous and discontinuous connections of the bones. Types and structures of the joints. Shoulder and elbow joints. Muscles acting on the shoulder and elbow joints.
Week 3	Wrist joint, joints of the hand. Carpal tunnel. Muscles of the forearm and the hand.
Week 4	Bones and joints of the trunk (ribs, sternum and vertebrae).
Week 5	Bones of the pelvic girdle and lower limb. Hip and knee joint.
Week 6	Back muscles. Muscles of the hip. Muscles acting on the knee joint.
Week 7	Ankle joint. Muscles acting on the ankle joint. Structure and muscles of the foot.
Week 8	Bones of the skull: neuro and viscerocranium.
Week 9	External and internal base of the skull.
Week 10	Respiratory system. Nasal and paranasal cavities. Larynx and trachea.
Week 11	Lungs and mediastinum.
Week 12	Cardiovascular system. Heart.
Week 13	Cardiovascular system. Great vessels.

Week 14	Gastrointestinal tract. Oral cavity, pharynx, esophagus and stomach.
Week 15	Gastrointestinal tract. Small and large intestines.
Week 16	Gastrointestinal tract. Liver and pancreas.
Week 17	Lymphatic organs, spleen.
Week 18	Urinary system.
Week 19	Male genitalia
Week 20	Female genitalia.
Week 21	Introduction to the nervous system. Gross anatomy of the spinal cord and brain.
Week 22	Diencephalon. Thalamus and hypothalamus. Brain stem. Cerebellum.
Week 23	Main sensory and motor pathways. Sympathetic and parasympathetic nervous system.
Week 24	Sensory organs.
Week 25	Endocrine system.
Week 26	Cranial nerves.
Week 27	Review practice in a dissection room (Semmelweis University, Dept. of Anatomy).
Week 28	Review practice in a dissection room (Semmelweis University, Dept. of Anatomy).

Mathematics Syllabus Class Outlines (3 classes/week)
28(weeks)*3=84 lectures per year

<i>Week #</i>	<i>Class content</i>
MATHEMATICS SEMESTER I	
Week 1	Linear equations: equations of line, parallel and perpendicular lines
	Solving system of equations by elimination and substitution
	Solving system of equations graphically
Week 2	Simple probability: sample space diagrams, classical model
	Combining probabilities, using tree diagrams
	Using tree diagrams
Week 3	Quadratic functions: completing the square
	Quadratic equations, using the quadratic formula, factorizing
	Remainder theorem: algebraic division
Week 4	Using the factor theorem and remainder theorem
	Graphs of cubic and quadratic functions. Geometric interpretation of algebraic solutions of equations
	Manipulating inequalities, linear, quadratic, cubic inequalities
Week 5	Binomial expansions (positive integer powers) Pascal triangle, binomial coefficient notation,

	Evaluation of specific terms in binomial expansion
	Sequences and series: sigma notation, Arithmetic Progressions (AP), sum formula
Week 6	Geometric Progressions (GP), the sum formula
	Convergence and divergence of geometric series
	Exponents and logarithm: Laws of indices for negative and rational exponents, expansion to irrational exponents
Week 7	The exponential function and its properties, introduction to rates of growth
	Exponential equations and inequalities involving exponential functions.
	Rules and manipulations of logarithms, logarithmic function and its properties, relationship with exponential function
Week 8	Solution of equations involving either logarithmic or exponential functions
	Trigonometry: Trigonometric ratios and trigonometric functions: sin, cos, tan and their properties Degree and radian measure
	The Pythagoras identity between sin and cos. Solution of simple trigonometric equations.
Week 9	More trigonometric equations
	Differential calculus: gradient of tangent and normal to curves, limit form, equation of tangent
	Polynomial rules(from the first principles), derivatives of simple functions (exponential, logarithmic, trigonometric: sin, cos, tan)
Week 10	Operations with derivatives, use of formula booklet
	Generic applications :using derivatives to help sketching curves
	Equation of tangent and normals

Week 11	Find local maxima, minima and points of inflexion (stationary points)
	Using of second derivative
	Integral calculus: inverse of differentiation
Week 12	Standard integrals (monomial, trigonometric: sin and cos only ,exponential)
	Indefinite integration
	Definite integration
Week 13	Application: area under curve
	Review
	Review
Week 14	Mock exam
	Mock exam
	Mock exam
MATHEMATICS SEMESTER II	
Week 15	Further differentiation: differentiation of sum of functions
	Product rule and quotient rule for differentiation
	Chain rule for composite functions
Week 16	Practice

	Implicit differentiation
	Applications: gradient of tangent of implicit function
Week 17	Application: differentiation of inverse trigonometric functions: $y = \arcsin(ax + b)$
	Practice
	Further integration: integration by parts
Week 18	Applications
	Integration by substitution: change of variables
	Trigonometric substitutions
Week 19	Using trigonometric identities in integration : convert the integrand formula booklet, (Appendix C)
	Other methods for integration: use partial fractions
	More partial fractions: linear factors, repeated linear factors
Week 20	Quadratic factors, improper fractions
	Practice
	Evaluation of volume of revolution
Week 21	Volume of sphere, cone truncated cone by integration
	Practice: different methods of integration

	Statistics: Statistical method, mean , mode, median, range
Week 22	Calculate Standard deviation of data set with and without calculator
	Correlation: Scatter graphs. Calculation and interpretation of the coefficient of correlation
	Practice
Week 23	Linear regression: Calculation of the equation of the least squares linear regression line.
	Further probability: hypothesis testing
	Chi-squared test
Week 24	Statistical distributions:
	Discrete random variables, calculation of expected value and variance
	Binomial distribution, $E(X)$ and $\text{var}(X)$ of binomial distribution
Week 25	Normal distribution,
	Standard normal distribution, standardization
	Confidence intervals
Week 26	Practice
	Prepare for the exam: logarithm and exponential functions and equations
	Prepare for the exam: trigonometric functions and equations
Week 27	Prepare for the exam: trigonometric identities and applications in integral

	Prepare for the exam: derivative of elementary functions
	Find local minima and maxima, point of inflexion
Week 28	Prepare for the exam probability
	Mock exam
	Mock exam

EAP Syllabus Class Outlines

Week #	<i>Class content</i>
Week 1	Oxford EAP B1+ Unit 1 Listening: Short presentations: Understanding main ideas in a presentation, Identifying word class to assist note-taking, Recognizing signposting in a presentation
	Oxford EAP B1+ Unit 1 Speaking: Short presentation: Talking about experiences using the past simple and present perfect, Structuring and signposting a short presentation, Presenting information about your academic experience and aims
	Oxford EAP B1+ Unit 1 Reading: Textbooks (1): Gaining an overview of an academic text, Identifying topics and main ideas
	Oxford EAP B1+ Unit 1 Writing: Simple and compound sentences: Expanding notes into sentences, Correcting and evaluating sentences, Writing simple and compound sentences
	Oxford EAP B1+ Unit 1 Vocabulary: Academic vocabulary: Identifying and using general, academic, and technical vocabulary
	Oxford EAP B1+ Unit 1 Review
	Oxford EAP B1+ Unit 1 Test
	Oxford EAP B1+ Unit 2 Listening: Lectures (1): Understanding and taking notes on key information, Understanding the language of perspective, Identifying perspectives in a lecture
Week 2	Oxford EAP B1+ Unit 2 Speaking: Seminar discussions (1): Identifying perspective and stance in a discussion, Using perspective to inform stance, Expressing and responding to stance in a discussion
	Oxford EAP B1+ Unit 2 Reading: Textbooks (2): Understanding main ideas in paragraphs and longer texts, Identifying perspective and stance in a text, Responding critically to stance in a text
	Oxford EAP B1+ Unit 2 Writing: Paragraphs (1): Analysing paragraph structure, Recognizing cohesion in a paragraph, Writing topic sentences and concluding sentences

	Oxford EAP B1+ Unit 2 Vocabulary: Expressing stance: Identifying common academic nouns, Understanding stance
	Oxford EAP B1+ Unit 2 Review
	Oxford EAP B1+ Unit 2 Test
	Oxford EAP B1+ Unit 3 Listening: Lectures (2): Listening for the main points, Recognizing signposting language, Taking detailed notes on explanations and examples
	Oxford EAP B1+ Unit 3 Speaking: Seminar discussions (2): Understanding written and spoken definitions, Asking for and giving definitions and short explanations, Participating in a seminar discussion
Week 3	Oxford EAP B1+ Unit 3 Reading: Textbooks (3): Predicting the purpose of a text, Understanding main ideas, Recognizing cohesive language, Recognizing definitions, explanations, and examples
	Oxford EAP B1+ Unit 3 Writing: Definitions: Writing definitions using prepositional phrases, Writing definitions using relative clauses, Writing a paragraph that includes definition
	Oxford EAP B1+ Unit 3 Vocabulary: Adjectives: Understanding and using evaluative adjectives, Understanding and using classifying adjectives
	Oxford EAP B1+ Unit 3 Review
	Oxford EAP B1+ Unit 3 Test
	Oxford EAP B1+ Unit 4 Listening: Seminars (1): Preparing to listen to a seminar, Identifying context, Using noun phrases in descriptions
	Oxford EAP B1+ Unit 4 Speaking: Presentations: Identifying main points and descriptive language, Referring to numerical information, Giving a short presentation and providing peer feedback
	Oxford EAP B1+ Unit 4 Reading: Textbooks (4): Predicting the content of a text, Identifying the main ideas, Identifying and evaluating supporting evidence

Week 4	Oxford EAP B1+ Unit 4 Writing: Paragraphs (2): Analysing, planning, and using notes to build up a paragraph, Using adverbials to add content and supporting information to a sentence, Writing a descriptive paragraphs
	Oxford EAP B1+ Unit 4 Vocabulary: Adverbials: Identifying adverbial meanings, Using adverbials for cohesion
	Oxford EAP B1+ Unit 4 Review
	Oxford EAP B1+ Unit 4 Test
	Oxford EAP B1+ Unit 5 Listening: Lectures (3): Identifying different positions in a lecture, Identifying supporting arguments, Using present and past tenses to report findings
	Oxford EAP B1+ Unit 5 Speaking: Seminar discussions (3): Taking notes on a student presentation, Using reporting verbs to refer to points in a presentation, Participating in a seminar discussion
	Oxford EAP B1+ Unit 5 Reading: Textbooks (5): Identifying the main ideas and key information in a text, Identifying key features of a summary, Using noun phrases to summarize ideas, Evaluating summaries of a text
	Oxford EAP B1+ Unit 5 Writing: Note-taking and summarizing: Analysing and using active note-taking strategies, Identifying and using summarizing words and phrases, Writing a summary of a short academic text
Week 5	Oxford EAP B1+ Unit 5 Vocabulary: Affixes: Using affixes to recognize word families, Building word families using affixes
	Oxford EAP B1+ Unit 5 Review
	Oxford EAP B1+ Unit 5 Test
	Oxford EAP B1+ Unit 6 Listening: Lectures (4): Completing notes on the main points of a lecture, Identifying and discussing stance in source material, Summarizing stance and perspective of source material
	Oxford EAP B1+ Unit 6 Speaking: Seminar discussions (4): Referring to the main ideas in a text, Forming a stance based on a reading, Offering and responding to opinions
	Oxford EAP B1+ Unit 6 Reading: Textbooks (6): Identifying and evaluating sources for an essay, Identifying author stance on

	main ideas, Identifying details and examples from sources to support an argument
	Oxford EAP B1+ Unit 6 Writing: Using sources: Analysing the use of sources in a text, Understanding and using ways of referring to sources, Selecting and synthesizing sources to use in a paragraphs
	Oxford EAP B1+ Unit 6 Vocabulary: Reporting structures: Identifying form in reported structures, Using reporting structures
Week 6	Oxford EAP B1+ Unit 6 Review
	Oxford EAP B1+ Unit 6 Test
	Oxford EAP B1+ Unit 7 Listening: Lectures (5): Using abbreviations and symbols to take notes, Identifying support for a position, Identifying examples and explanations
	Oxford EAP B1+ Unit 7 Speaking: Seminar discussions (5): Discussing and evaluating learning and assessment methods, Listening for and comparing specific context, Identifying explaining and rephrasing language
	Oxford EAP B1+ Unit 7 Reading: Textbooks (7): Evaluating different sources, Taking notes on detailed information, Using notes to write a summary, Identifying and referencing source material
	Oxford EAP B1+ Unit 7 Writing: Introductions: Analysing essay titles, Identifying the features of an introduction, Evaluating thesis statements, Writing an introduction
	Oxford EAP B1+ Unit 7 Vocabulary: Essay verbs: Identifying essay focus, Using essay verbs
	Oxford EAP B1+ Unit 7 Review
Week 7	Oxford EAP B1+ Unit 7 Test
	Oxford EAP B1+ Unit 8 Listening: Lectures (6): Using visuals to assist with note-taking in lectures, Using notes to write a summary, Understanding and using references to visual information
	Oxford EAP B1+ Unit 8 Speaking: Seminar discussions (6): Using a text to support an opinion, Using language for managing a discussion, Referring to other people's ideas

	Oxford EAP B1+ Unit 8 Reading: Textbooks (8): Recognizing objectivity in a text, Identifying and understanding references in a text, Using source texts in writing
	Oxford EAP B1+ Unit 8 Writing: Referencing: Identifying and analysing types of citation in context, Paraphrasing ideas from a source, Planning and writing an accurately referenced paragraph
	Oxford EAP B1+ Unit 8 Vocabulary: Cohesive language: Selecting and using linking expressions, Using cohesive language in texts
	Oxford EAP B1+ Unit 8 Review
	Oxford EAP B1+ Unit 8 Test
Week 8	Oxford EAP B1+ Unit 9 Listening: Lectures (7): Using Venn diagrams to take and organize notes, Analysing descriptions of similarity and difference, Recognizing and using comparative adjectives
	Oxford EAP B1+ Unit 9 Speaking: Seminar discussions (7): Comparing and contrasting different pieces of research, Preparing for, participating in, and evaluating a seminar discussion
	Oxford EAP B1+ Unit 9 Reading: Textbooks (9): Analysing models and theories in a text, Understanding comparison in a text, Identifying and evaluating authorial stance
	Oxford EAP B1+ Unit 9 Writing: Comparison essays: Introduction to essay writing, Writing an effective conclusion, Planning and organizing comparison essays
	Oxford EAP B1+ Unit 9 Vocabulary: Comparing and contrasting: Identifying comparing and contrasting language, Using comparative and contrasting structures
	Oxford EAP B1+ Unit 9 Review
	Oxford EAP B1+ Unit 9 Test
	Oxford EAP B1+ Unit 10 Listening: Debate extracts: Examining evidence to prepare for a debate, Identifying main arguments and supporting evidence, Identifying and analysing maximizing and minimizing language

Week 9	Oxford EAP B1+ Unit 10 Speaking: Seminar discussions (8): Evaluating a case study and identifying options, Identifying and using hedging language, Presenting arguments for and against
	Oxford EAP B1+ Unit 10 Reading: Textbooks (10): Identifying main arguments, Understanding and using evaluative language, Evaluating premise and conclusion in an argument
	Oxford EAP B1+ Unit 10 Writing: Argument essays: Planning, organizing, and writing an argument essay, Incorporating evidence in an essay, Making a text more cohesive by varying vocabulary
	Oxford EAP B1+ Unit 10 Vocabulary: Argument: Presenting and assessing views, Noticing and interpreting arguments
	Oxford EAP B1+ Unit 10 Review
	Oxford EAP B1+ Unit 10 Test
	Oxford EAP B1+ Unit 11 Listening: Lectures (8): Identifying and using the language of problems and solutions, Reviewing notes to identify the need for further research, Understanding evaluation in a lecture
	Oxford EAP B1+ Unit 11 Speaking: Presentations (2): Selecting and synthesizing information, Using wh- structures to signal and focus key points, Researching and preparing a group presentation
Week 10	Oxford EAP B1+ Unit 11 Reading: Textbooks (11): Identifying supporting detail and evidence in a text, Identifying problems, solutions, and evaluation in a text, Understanding how meanings are expressed through prepositional phrases
	Oxford EAP B1+ Unit 11 Writing: Problem-solution essays: Effectively evaluating solutions, Planning and organizing problem-solution essays, Evaluating your own work
	Oxford EAP B1+ Unit 11 Vocabulary: The language of problems and solutions: Recognizing problems, Introducing and responding to problems
	Oxford EAP B1+ Unit 11 Review
	Oxford EAP B1+ Unit 11 Test

	Oxford EAP B1+ Unit 12 Listening: Lectures (9): Recognizing and noting down cause and effect relations in a lecture, Understanding key cause and effect language, Categorizing causes, effects, and evaluation
	Oxford EAP B1+ Unit 12 Speaking: Seminar discussions (9): Identifying related ideas, Evaluating cause and effect relationships, Using cautious language
	Oxford EAP B1+ Unit 12 Reading: Textbooks (12): Identifying cause and effect relationships in a text, Identifying stance in cause and effect relationships, Noticing and using prepositional verbs
Week 11	Oxford EAP B1+ Unit 12 Writing: Cause and effect essays: Planning and structuring a cause and effect essay, Stating cause and effect connections through appropriate language, Writing and evaluating a cause and effect essays
	Oxford EAP B1+ Unit 12 Vocabulary: Cause and effect: Identifying cause and effect language, Identifying causes in a text and revising
	Oxford EAP B1+ Unit 12 Review
	Oxford EAP B1+ Unit 12 Test
	Review
	Review
	Review
	Review
Week 12	Mock exam
	Mock exam
	Mock exam
	Mock exam

	Preparation for the Test and Assessments
	Preparation for the Test and Assessments
Week 15	Oxford EAP B2 Unit 1 Listening: Lectures (1): Understanding the introduction to a lecture, Listening for the main idea, Note-taking (2) – identifying noun phrases
	Oxford EAP B2 Unit 1 Speaking: Seminars (1): Asking and answering questions, Preparing for and taking part in a seminar discussion, Summarizing and reporting on a seminar discussion
	Oxford EAP B2 Unit 1 Reading: Dictionaries: Reading and understanding short informative texts, Reading for the main idea and for detail, Note-taking (1) – organizing key information, Using notes to write a summary
	Oxford EAP B2 Unit 1 Writing: Starting the process: Understanding essay titles, Generating ideas for writing tasks, Creating and evaluating a plan for writing
	Oxford EAP B2 Unit 1 Vocabulary: Using a dictionary: Working out the meaning of unknown words, Using a monolingual dictionary
	Oxford EAP B2 Unit 1 Review
	Oxford EAP B2 Unit 1 Test
	Oxford EAP B2 Unit 2 Listening: Lectures (2): Recognizing key factual information in a lecture, Recognizing definitions in a lecture, Note-taking (3) – abbreviations and symbols, Using noun phrases in a note-taking
Week 16	Oxford EAP B2 Unit 2 Speaking: Seminars (2): Recognizing language for referring to visual information, Recognizing noun phrases in explanations, Presenting visual information
	Oxford EAP B2 Unit 2 Reading: Textbooks (1): Understanding and extracting key factual information in a text, Recognizing and writing definitions, Summarizing key factual information in a text
	Oxford EAP B2 Unit 2 Writing: Descriptions (1): Identifying the language and features of descriptions of visual information, Writing a short description of visual information, Using noun phrases containing relative clauses in definitions

	Oxford EAP B2 Unit 2 Vocabulary: Building academic vocabulary: Becoming familiar with academic vocabulary, Recording information about academic vocabulary
	Oxford EAP B2 Unit 2 Review
	Oxford EAP B2 Unit 2 Test
	Oxford EAP B2 Unit 3 Listening: Lectures (3): Understanding the main ideas in a lecture, Recognizing the language for introducing main ideas and supporting evidence, Analysing types of supporting evidence: examples, definitions, and explanations
	Oxford EAP B2 Unit 3 Speaking: Tutorials (1): Reading a text to prepare for a tutorial, Identifying assumptions in questions, Participating in a tutorial discussion
Week 17	Oxford EAP B2 Unit 3 Reading: Textbooks (2): Identifying main ideas and supporting evidence in a text, Building word families, Using adverbs to express stance
	Oxford EAP B2 Unit 3 Writing: Topic sentences; paragraphs: Analysing and writing topic sentences, Adding supporting evidence using reasons and examples, Writing and evaluating a paragraph
	Oxford EAP B2 Unit 3 Vocabulary: Inferring meaning: Inferring the meaning of unknown words in sentences, Using prefixes to infer meaning
	Oxford EAP B2 Unit 3 Review
	Oxford EAP B2 Unit 3 Test
	Oxford EAP B2 Unit 4 Listening: Lectures (4): Understanding the organization of a lecture, Recognizing and practising signposting language, Note-taking (4) – using diagrams
	Oxford EAP B2 Unit 4 Speaking: Presentations (1): Evaluating presentation guidelines, Using signposting language to refer to visual information, Giving a short presentation
	Oxford EAP B2 Unit 4 Reading: Textbooks (3): Identifying the purpose and structure of a text, Using classification to make

	notes as you read
Week 18	Oxford EAP B2 Unit 4 Writing: Essay introductions: Analysing an essay introduction, Writing and evaluating a thesis statement, Writing and evaluating an essay introduction
	Oxford EAP B2 Unit 4 Vocabulary: Classification: Categorizing words, Creating and using classification phrases
	Oxford EAP B2 Unit 4 Review
	Oxford EAP B2 Unit 4 Test
	Oxford EAP B2 Unit 5 Listening: Lectures (5): Understanding the main points of a lecture, Identifying spoken punctuation, Note-taking (5) – taking linear notes
	Oxford EAP B2 Unit 5 Speaking: Tutorials (2): Interpreting and discussing written feedback, Preparing spoken responses to written feedback
	Oxford EAP B2 Unit 5 Reading: Textbooks (4): Identifying the argument and structure of a text, Identifying cohesive language, Identifying hedging language
	Oxford EAP B2 Unit 5 Writing: Essay conclusions: Analysing an essay conclusion, Linking ideas coherently, Writing and evaluating an essay conclusion
Week 19	Oxford EAP B2 Unit 5 Vocabulary: Collocation: Creating adjective + noun collocations, Using verb + noun collocations
	Oxford EAP B2 Unit 5 Review
	Oxford EAP B2 Unit 5 Test
	Oxford EAP B2 Unit 6 Listening: Lectures (6): Taking notes on a description of a process, Using notes to give a detailed explanation, Recognizing referencing language
	Oxford EAP B2 Unit 6 Speaking: Presentations (2): Analysing and referring to the structure of a poster, Responding to requests for further details, Giving a short poster presentation

	Oxford EAP B2 Unit 6 Reading: Popular academic texts: Predicting the content of a text from visual information, Understanding a description of a process in a text, Identifying and using signposting language for describing a process
	Oxford EAP B2 Unit 6 Writing: Descriptions (2): Analysing written descriptions of processes, Writing a paragraph describing a process
	Oxford EAP B2 Unit 6 Vocabulary: Suffixes: Building word families through suffixes, Using multiple suffixes to build more complex words
Week 20	Oxford EAP B2 Unit 6 Review
	Oxford EAP B2 Unit 6 Test
	Oxford EAP B2 Unit 7 Listening: Lectures (7): Reading to prepare for a lecture, Listening to confirm predictions about content and structure, Note-taking (6) – taking detailed notes
	Oxford EAP B2 Unit 7 Speaking: Seminars (3): Summarizing and building on what the speaker says, Giving a short, informal presentation in a seminar, Taking part in a seminar discussion
	Oxford EAP B2 Unit 7 Reading: Textbooks (5): Reading and writing extended definitions, Recognizing and categorizing similarities and differences, Noticing in-text references, Identifying and using comparison and contrast language
	Oxford EAP B2 Unit 7 Writing: Comparison essays: Organizing ideas and writing an outline, Using comparison and contrast language, Self-editing and correcting
	Oxford EAP B2 Unit 7 Vocabulary: General and technical meanings: Identifying general and technical meanings, Categorizing and learning general and technical meanings
	Oxford EAP B2 Unit 7 Review
Week 21	Oxford EAP B2 Unit 7 Test
	Oxford EAP B2 Unit 8 Listening: Interviews: Recognizing different perspectives in an interview, Note-taking (7) – identifying key points related to perspectives and stance, Responding to interviews using follow-up questions

	Oxford EAP B2 Unit 8 Speaking: Informal discussions: Accessing and taking part in informal discussions, Interpreting and using intonation
	Oxford EAP B2 Unit 8 Reading: Journals: Recognizing the difference between fact and opinion, Identifying the purpose and sections of a text, Identifying stance and perspective
	Oxford EAP B2 Unit 8 Writing: Citation and referencing: Incorporating and evaluating cited material in an essay, Using reporting structures, Writing an essay which incorporates references and avoids plagiarism
	Oxford EAP B2 Unit 8 Vocabulary: Prefixes: Understanding the meanings of prefixes, Using prefixes to complete words in context
	Oxford EAP B2 Unit 8 Review
	Oxford EAP B2 Unit 8 Test
Week 22	Oxford EAP B2 Unit 9 Listening: Lectures (8): Understanding the main points of an argument, Recognizing how evidence is presented to support an argument, Identifying and using emphasizing strategies
	Oxford EAP B2 Unit 9 Speaking: Seminars (4): Evaluating the presentation of arguments in a seminar, Presenting a main and supporting argument plus evidence and explanation, Responding to other people's arguments
	Oxford EAP B2 Unit 9 Reading: Textbooks (6): Identifying the main and supporting arguments, Identifying persuasive language
	Oxford EAP B2 Unit 9 Writing: Argument essays: Organizing and outlining ideas, Stating and supporting the main argument, Synthesizing citations, evidence, and explanation, Synthesizing arguments and citations
	Oxford EAP B2 Unit 9 Vocabulary: Synonyms and formality: Using synonyms in phrases, Deciding on the formality of synonyms, Rewriting phrases using synonyms
	Oxford EAP B2 Unit 9 Review
	Oxford EAP B2 Unit 9 Test

	Oxford EAP B2 Unit 10 Listening: Lectures (9): Recognizing connections including cause and effect relationships, Recognizing a synthesis of ideas from different disciplines
Week 23	Oxford EAP B2 Unit 10 Speaking: Presentations (3): Explaining connections between phenomena, Analysing and using effective presentation notes
	Oxford EAP B2 Unit 10 Reading: Textbooks (7): Understanding cause and effect phenomena in different fields, Identifying language to express cause and effect relationships, Note-taking (8) – representing cause and effect relationships in diagram form
	Oxford EAP B2 Unit 10 Writing: Cause and effect essays: Planning and structuring a cause and effect essay, Using cause and effect language, Writing a cause and effect essay
	Oxford EAP B2 Unit 10 Vocabulary: Cohesive noun phrases: Summarizing text using cohesive nouns, Using cohesive noun phrases in a text
	Oxford EAP B2 Unit 10 Review
	Oxford EAP B2 Unit 10 Test
	Oxford EAP B2 Unit 11 Listening: Lectures (10): Recognizing analysis and evaluation stages in a lecture, Recognizing language for introducing evaluation
	Oxford EAP B2 Unit 11 Speaking: Presentations (4): Identifying the key information in a presentation, Researching a short presentation, Giving and evaluating a short presentation
Week 24	Oxford EAP B2 Unit 11 Reading: Textbooks (8): Identifying author evaluation of original material, Identifying and understanding evaluation language
	Oxford EAP B2 Unit 11 Writing: Problem-solution essays: Recognizing and using evaluation language, Recognizing and using hedging language, Writing and evaluating a problem-solution essay
	Oxford EAP B2 Unit 11 Vocabulary: Phrasal and prepositional verbs: Using prepositional verbs, Using phrasal and prepositional verbs

	Oxford EAP B2 Unit 11 Review
	Oxford EAP B2 Unit 11 Test
	Oxford EAP B2 Unit 12 Listening: Lectures (11): Taking notes on an extended extract, Comparing and revising notes
	Oxford EAP B2 Unit 12 Speaking: Presentations (5): Preparing for script independence in presentations, Responding to participants comments and questions, Giving a presentation
	Oxford EAP B2 Unit 12 Reading: Textbooks (9): Summarizing information to make notes, Annotating a text with margin notes
Week 25	Oxford EAP B2 Unit 12 Writing: Examination essays: Writing headings and paragraphs, Maximizing coherence in an essay, Responding to instruction verbs in examination questions, Dealing with time writing
	Oxford EAP B2 Unit 12 Vocabulary: Review of learning: Proofreading to review aspects of vocabulary, Planning strategies for extending your vocabulary
	Oxford EAP B2 Unit 12 Review
	Oxford EAP B2 Unit 12 Test
	Review
	Review
	Review
	Review
Week 26	Mock exam
	Mock exam
	Mock exam

	Mock exam
	Mock exam
	Mock exam
	Mock exam
	Mock exam
Week 27	Preparation for the Exam and Assessments
	Preparation for the Exam and Assessments
	Preparation for the Exam and Assessments
	Preparation for the Exam and Assessments
	Preparation for the Exam and Assessments
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	Preparation for the Exam and Assessments
Week 28	Preparation for the Exam and Assessments
	Preparation for the Exam and Assessments
	Preparation for the Exam and Assessments
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	Preparation for the Exam and Assessments

Pastoral Services and Extracurricular Activities

The Student Center and the Admission Department at the Avicenna International College together with our teachers and counsellors provide pastoral services to all our Hungarian and international students. We provide books, handouts, hotel and accommodation services, airport pickup, breakfast and lunch, medical insurance and assistance, sport activities, university counselling and several other services to all our students.

AIC Policies, Regulations and Protocols

When you join AIC you accept all the policies, rules and regulations enforced at the Avicenna International College. As responsible citizens we all should follow the prevailing rules and regulations in Hungary and the European Union. We also are considerate and passionate towards all cultures and social norms in our community.

AIC policies, regulations and protocols are to be observed by all students, teachers and staff. You will find the last version of these policies and any new policy on the AIC website. Therefore, it is your responsibility to consult Avicenna's website for the latest changes and additions of these policies.