



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department : ANATOMY

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)						
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
526051&526052	HUMAN ANATOMY-I&II	✓	✓		✓	✓		

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER&MEMBER OF HEALTHCARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL
PO6	CRITICAL THINKER
PO7	RESEARCHER



SANTHIRAM MEDICAL COLLEGE

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MAPPING OF COURSE TO LEARNING TAXONOMY

COURS ECO DE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	PI	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526051& 526052	HUMAN ANATOM Y-I&II	✓	✓	✓	✓			✓	✓	✓					✓	✓			

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code–Cognitive Domain	Code–Psychomotor Domain	Code–Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

	COURSE OUTCOMES (CO) The learner is able to:	PO1	PO2	PROGRAMME OUTCOMES (PO)					METHOD OF DELIVERY	METHOD OF ASSESSMENT
				PO3	PO4	PO5	PO6	PO7		
	Cognitive Domain									
CO1.	Describe and correlate the normal disposition, clinically relevant interrelationships, functional and cross-sectional anatomy of the various structures in the body	✓							Lecture	Written test
CO2	Demonstrate the identifying features of the microscopic structure and correlate elementary ultra-structure of various organs and tissues and correlate the structure with the functions as a prerequisite for understanding the altered state in various disease processes	✓					✓		Lecture	Written test
CO3.	Illustrate the basic structure and connections of the central nervous system to analyze the integrative and regulative functions of the organs and systems. The student shall be able to locate the site of gross lesions according to the deficits encountered	✓			✓		✓		Demonstration	Written test
CO4	Demonstrate knowledge of the basic principles and sequential development of the organs and systems, recognize the clinical stages of development and the effects of common teratogens. The student should be able to explain the developmental basis of the major variations and Abnormalities	✓			✓			✓	lecture	Written test
	Psychomotor Domain									
CO6	Identify and locate all the structures of the body and mark the topography of the living anatomy	✓				✓	✓		Practical Demonstration	OSPE



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CO7	Identify the organs and tissues under the microscope	✓				✓	✓		Practical demonstration	OSPE
CO8	Explain the principles of karyotyping and identify the gross congenital anomalies.	✓					✓		Practical demonstration	OSPE
CO9	Demonstrate the principles of newer imaging techniques like Ultrasound, Computerized Tomography Scan, Interpretation of plain and contrast X-rays	✓			✓		✓	✓	Practical demonstration	Viva Voce
CO10	Describe the clinical basis of some common clinical procedures i.e., intramuscular, and intravenous injection, lumbar puncture, kidney biopsy etc.	✓			✓			✓	Practical demonstration	Viva Voce
	Affective Domain									
CO11	To be aware of the importance of body donation and organ donation	✓	✓	✓					Cadaver oath	Dissection practical test.
CO12	To be able to assist the faculty in dissection of the human cadaver	✓			✓		✓		Dissection	OSPE
CO13	To be able to participate willingly in acknowledging cadaver as the first teacher	✓			✓				Lecture	Reflection



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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department :Biochemistry

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
526055 & 526056	Biochemistry I&II	✓		✓	✓	✓

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL
PO6	CRITICAL THINKER
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MAPPING OF COURSE TO LEARNING TAXONOMY

COURS ECOD E	COURSE TITTLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	PI	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526055 &5260 56	BIOCHEM ISTRY	✓	✓	✓				✓	✓	✓					✓	✓			

Codesforlearningoutcomesinthecognitive,psychomotorandaffectivedomains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-AffectiveDomain
C1 -Knowledge	P1 -Perception	A1 -ReceivingPhenomenon
C2 -Comprehension	P2 -Set	A2 -RespondingtoPhenomenon
C3 -Application	P3 -GuidedResponse	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -OrganizingValues
C5 -Synthesis	P5 -ComplexOvertResponse	A5 -InternalizingValues
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES (CO) The learner is able to:	PROGRAMME OUTCOMES (PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1 Describe the molecular and functional organization of a cell	✓			✓				Didactic Lecture	Long note, short notes
CO2 Describe in detail the mechanisms involved in maintenance of body fluid and pH homeostasis	✓			✓	✓			Didactic Lecture	Long note
CO3 Explain the biochemical basis of environmental health hazards	✓		✓	✓	✓			Integrated lecture	Long note, short note
CO4 Outline the molecular concepts of body defense mechanism	✓			✓		✓		Didactic Lecture	Long note
CO5 Explain the biochemical basis of inherited disorders of carbohydrate metabolism	✓		✓	✓	✓	✓	✓	Case based learning, small group teaching	Long note, short note
CO6 Describe the various aspects of metabolism of macromolecules and its clinical importance	✓			✓	✓	✓	✓	Didactic Lecture	Long note
CO7 Write the principles of Glucose Estimation	✓				✓			Small group Teaching	Short note
CO8 Outline the biochemical basis of carcinogenesis	✓		✓	✓	✓	✓	✓	Didactic Lecture	Short note



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CO9 Described digestion and assimilation of macronutrients	✓			✓	✓			Didactic Lecture	Short note
Psychomotor Domain									
CO10 To analyze and interpret the given following biochemical data	✓			✓	✓	✓	✓	Small Group Discussion/case based learning	Viva voce/OSPE
CO11 To estimate the amount of blood Glucose present in the given sample	✓			✓	✓			DOAP	Practical's and Viva
CO12 To identify the abnormal constituents of urine	✓				✓	✓	✓	DOAP	Practical's and Viva
CO13 To document the principles of PCR	✓			✓	✓			Small Group Discussion	Short note/OSPE
CO14 To calculate the creatinine clearance	✓			✓	✓			Small Group Discussion	OSPE
CO15 To calculate the Husing Henderson Hasselbach equation	✓			✓	✓			Small Group Discussion	OSPE
Affective Domain									
CO16 To demonstrate the empathy to the terminally ill patients	✓		✓	✓	✓		✓	Hospital visit/AETCOM	Short note



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Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department :Physiology

COURSECODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
526053 & 5206054	Physiology	✓			✓	✓

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER&MEMBER OF HEALTHCARE TEAM
PO3	COMMUNICATOR
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MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526053 & 5206054	Physiology			✓						✓					✓				

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
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C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	

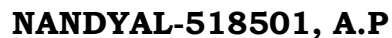


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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES(PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Knowledge Domain (Cognitive Domain)									
CO1. Explain the normal functioning of all the organs systems and their interactions for maintenance of a constant internal environment	✓			✓				Lecture/Small group discussion	Written/Viva
CO2. Describe physiological responses and adaptation to changes in internal and external environment.	✓			✓				Video & Interactive session	Group activity
CO3. Describe the physiological principles underlying pathogenesis and treatment of disease.	✓		✓	✓				Self directed learning	Viva
CO4. List normal values and acceptable ranges for relevant physiological parameters	✓			✓				Problem based learning	Viva
CO5. Interpret results of the following laboratory tests: (i) serum electrolytes, pH, osmolarity and blood gases (ii) pulmonary function tests (iii) renal function tests (iv) cardiac function tests	✓			✓	✓			Case based learning/Small group discussion	Viva

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CO15.Perform clinical examination of the abdomen	✓			✓	✓			DOAP	OSCE
CO16.Perform clinical examination of the Nervous system including special senses	✓			✓	✓			DOAP	OSCE
Affective Domain									
CO17.Develop a scientific approach in the Practice of clinical medicine	✓			✓	✓			Roleplay	OSCE
CO18.Correlate disease manifestation with Derangements of physiological mechanisms and understand rationale of treatment	✓			✓	✓			Casebased learning	OSCE



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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department :Pathology

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
Pathology - I	526065					
Pathology - II	526066					

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL



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MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526065	Pathology	✓	✓	✓				✓	✓	✓					✓	✓			

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C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES(PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. Describe the structure of cell	✓			✓	✓	✓		Lecture, SDL, SGD	Written Test
CO2 Describe the Mechanisms of cell degeneration.	✓			✓	✓			Lecture, SDL, SGD	Written Test
CO3 Describe Cell death and repair and be able to correlate structural and functional alterations	✓			✓	✓			Lecture, SDL, SGD	Written Test
Psychomotor Domain									
CO.5. Performs simple bedside tests on blood, urine and other biological fluid samples	✓	✓	✓	✓	✓	✓	✓	Hands on training, charts	OSPE
Co.6 Interpretation of the results	✓	✓	✓	✓	✓	✓	✓	Scenarios, charts	OSPE
CO.7 Correlate normal and altered morphology (gross and microscopic) of different organs/systems in common diseases	✓	✓		✓	✓	✓	✓	Microscopic slides, gross specimens discussion,	Viva Voce



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AffectiveDomain									
CO.8 Communicate effectively withtheclinicians	✓		✓	✓	✓	✓		seminar	360 degreeasse ssment
CO.9Communicatewiththepatienteffectivelyan d counselthepatient	✓		✓	✓	✓	✓		Caseprese ntation	DOPS
CO.10. Communicate effectively about thedisease the otherpreclinical department	✓	✓	✓	✓	✓		✓		DOPS



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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department :Microbiology

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
5206063 & 5206064	Microbiology I & II	Clinician	Leader & member of healthcare team	Communicator	Lifelong Learner	Professional

Program Outcomes(POs)	Attributes
P01	CLINICIAN
P02	LEADER & MEMBER OF HEALTHCARE TEAM
P03	COMMUNICATOR
P04	LIFELONG LEARNER
P05	PROFESSIONAL



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MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526063 & 5206064	Microbiology I & II	✓	✓	✓	✓			✓	✓	✓					✓	✓			

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1-Knowledge	P1-Perception	A1-Receiving Phenomenon
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C5-Synthesis	P5-Complex Overt Response	A5-Internalizing Values
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	P7-Origination	



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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES (PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
1. List the pathogenic microorganisms (bacteria, viruses, parasites, fungi) and describe the Pathogenesis of the disease produced by them				✓	✓		✓	Lecture /Small group Discussion	IA/Viva Voce/ Assignment
2. To describe the Morphology, classification of bacteria and the virulence mechanisms	✓			✓	✓			Lecture /Small group Discussion	IA/Viva Voce/ Assignment
3. To explain Epidemiology and transmission of zoonoses, arthropod borne diseases and opportunistic infections	✓			✓	✓		✓	Lecture /Small group Discussion	IA/Viva Voce/ Assignment
Psychomotor Domain									
1. To demonstrate & identify the microorganisms from clinical materials by suitable laboratory methods	✓			✓	✓		✓	DOAP/CBL	Skill assessment /OSPE
2. To interpret the test findings – (Example- HIV test)	✓		✓	✓	✓		✓	DOAP/CBL	Skill assessment /OSPE
3. To interpretation of serological tests -Widal, rapid plasma Reagin, HIV/HBVE LISA/ Rapid tests, latex agglutination tests-rheumatoid factor and ASO.	✓			✓	✓		✓	DOAP/CBL	Skill assessment /OSPE
4. To Prepare a smear and perform Gram stain and interpret the findings from body fluids, urine,	✓			✓	✓			DOAP	Skill assessment



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sputum, and pus specimens,									
5. To demonstrate the trophozoites, Ova or cysts by Saline and iodine wet mount preparations (stool)	✓			✓	✓			DOAP	Skill assessment
Affective Domain									
1. To follow the ethical principles and maintain proper etiquette in dealings with patients and Clinician and to respect the rights of the patient including the right to information.			✓	✓	✓			Small Group discussion /Lecture/Roleplay/Video demonstration	Reflection / Quiz /Viva-voce
2. To communicate with clinician and patient about the results.	✓	✓	✓	✓	✓		✓	Small Group discussion /Lecture/Roleplay/Video demonstration	Reflection / Quiz /Viva-voce
3. To form & lead the team to analyze the report to take the preventive measures against the spread of disease	✓	✓	✓	✓	✓			Small Group discussion /Lecture/Roleplay/Video demonstration	Reflection / Quiz /Viva-voce



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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department : PHARMACOLOGY

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
526061	PHARMACOLOGY I & II					
526062						

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL



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MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526061 526062	PHARMACOLOGY I	✓	✓	✓	✓			✓	✓	✓					✓	✓			✓

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES(PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. List out essential and commonly used drugs	✓			✓	✓			SGD	Internal assessment
CO2. Able to understand of the pharmacology basis of therapeutics	✓			✓	✓			Lecture	Internal assessment
CO3. Knowledge of pharmacovigilance, essential medicine concept, sources of drug information	✓		✓	✓	✓	✓	✓	Seminar	
CO4. The general principles of actions and effects of various drugs and their kinetics	✓			✓	✓			Lecture	Internal assessment
CO5. the importance of rational drug therapy.	✓		✓	✓	✓	✓		Lecture	IA
CO6. The different types of biomedical waste, their potential risks and the management	✓				✓			SDL	VIVA



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CO7.Rationaltherapeutics:includes art of prescriptionwriting,common prescribing errors andinterpretationofdruglabels	✓				✓	✓			
PsychomotorDomain									
CO8.To Select medicines onbased on clinical conditions(efficacy,safety, cost of medicines)	✓			✓	✓	✓		SGD	IA
CO9.Doserelatedeffectsofdrugs.	✓			✓	✓			Lecture	IA
CO10.Theconceptofessentialdrugs, the essential drug list ofour country, conceptof Pdrugs	✓			✓	✓	✓		Lecture	IA
CO11.To prescribe drugs inspecial situations such aspregnancy,lactation,pediatric populationandoldage	✓			✓	✓	✓		SGD	VIVA/ QUIZ
CO12.Toprescribefor mass therapy under Nationalhealthprograms	✓	✓			✓			Groupdiscussion	DOAP
CO13.Antidotes and drugsusedincommonpoisoning	✓				✓			Groupdiscussion	DOAP
CO14.The ethics andmodalitiesinthe	✓		✓	✓	✓	✓	✓	Groupdiscussion	DOAP



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development of new drugs and the ethics in clinical practice and animal ethics including evidence based medicine and practice oriented research.									
CO15 Simple facts on legal aspects of drug use	✓		✓	✓	✓			Lecture	
CO16. Interpretation of clinically relevant problem based learning exercises based on prescription audit, Pharmacoeconomics, dose calculations, drug interactions	✓			✓	✓	✓	✓		
Affective Domain									
CO17. To counselling patients / compliance of drugs	✓	✓		✓	✓	✓		Group discussion	Viva/quiz
CO18. The drugs of addiction and the management of addiction	✓	✓		✓	✓	✓		Group discussion	Viva/quiz
CO19. The various environmental and occupational pollutants, their effects on human health and their management	✓	✓		✓	✓			Group discussion	Viva/quiz



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Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department :ENT

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
526072	ENT					

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER&MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFE LONG LEARNER
PO5	PROFESSIONAL



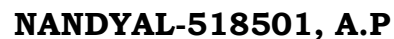
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MAPPING OF COURSE TO LEARNING TAXONOMY

COURS ECO DE	COURSE TITTLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	PI	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526072	ENT																		

Codes for learning outcomes in the cognitive, psychomotor and affective domains		
Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	

[illegible]



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme: BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department :ForensicMedicine& Toxicology

COURSE CODE	COURSE TITLE	PROGRAMMEOUTCOMES(PO)				
		PO1	PO2	PO3	P04	PO5
Forensic Medicine	526067	CLINICIAN	LEADER &MEMBERO F HEALTHCARE TEAM	COMMUNICATOR	LIFELONG LEARNER	PROFESSIONAL

ProgramOutco mes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER&MEMBEROFHEALTHCARETEAM
PO3	COMMUNICATOR
PO4	LIFELONGLEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526067	FORENSIC MEDICINE	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1-Knowledge	P1-Perception	A1-Receiving Phenomenon
C2-Comprehension	P2-Set	A2-Responding to Phenomenon
C3-Application	P3-Guided Response	A3-Valuing
C4-Analysis	P4-Mechanism	A4-Organizing Values
C5-Synthesis	P5-Complex Overt Response	A5-Internalizing Values
C6-Evaluation	P6-Adaptation	
	P7-Origination	



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

		MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT									
+	COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES(PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT	
		PO1	PO2	PO3	PO4	PO5	PO6	PO7			
Cognitive Domain											
C01. Describe the procedure of examination of a Medicolegal case		✓			✓	✓			Lecture	Written/Viva voce	
C02. Enumerate the prevalent law and legal procedures as a Registered Medical Practitioner in cases of Homicide, Assault, Sexual offences, Alcoholic intoxication, Drug dependence and other cases requiring medical opinion		✓			✓	✓	✓		Lecture	Written/viva voce	
C03. Describe the procedure of preparation of Medicolegal reports		✓			✓	✓	✓		SGD	Written/viva voce	
C04. Describe the procedure of diagnosis in cases of poisoning.		✓			✓	✓	✓		Bedside Clinics	OSCE	
Psychomotor Domain											
C05. Identify all Medicolegal cases		✓			✓	✓			SGD	Written/Viva voce	
C06. Demonstrate the procedure of collection of the requisite evidential materials		✓			✓	✓			DOAP	OSPE	



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C07.DocumentationofMedicolegalreports	✓		✓	✓	✓		DOAP	Written
C08.PerformaproperMedicolegalexamination,documentandreportinallMedicolegalcases.	✓		✓	✓	✓		DOAP	Written
C09.PerformundersupervisiontheMedicolegalAutopsy	✓		✓	✓			DOAP	OSCE
C10.Demonstratetheabilitytoexamine,documentandpreserveevidence in sexualoffencecases	✓	✓	✓	✓	✓	✓	DOAP	OSCE
C11.Demonstratethetreatmentincasesofpoisoning.	✓	✓	✓	✓	✓		DOAP, BedsideClini cs	OSCE
C12.Demonstratetheabilitytoexamine,documentandreportin cases ofdrunkenness	✓	✓	✓	✓	✓	✓	DOAP, BedsideClini cs	Written/OSC E
C13.Demonstratetheabilitytocollect,preserveanddispatch specimens and relevant materials to theconcernedcentersin Medicolegal cases.	✓		✓	✓	✓		DOAP	OSPE
C14.DemonstratetheabilitytoprepareMedicalrecordandreports	✓		✓	✓	✓		DOAP	Written
C15.CompetenttoissueallMedicalandMedicolegalcertificates.	✓		✓	✓			DOAP	Written
AffectiveDomain								
C16.DemonstratetheunderstandingtodealwithallMedicolegalcases	✓			✓	✓		Demo,Lectu re	Reflection



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C17.Demonstrate the understanding of appearing and giving evidence in a court of law as a Registered Medical Practitioner in cases of Homicide, Assault, Sexual offences, Alcoholic intoxication, Drug dependence and other cases requiring medical opinion	✓		✓		✓	✓		Role- Play	Reflection/Written
C18.Demonstrate the understanding to practice medicine in the society following medical ethics and etiquette as prescribed by the Indian Medical Council .	✓				✓	✓		Video Demo, Lecture	Reflection
C19.Demonstrate the understanding to properly depose evidence in a court of law	✓		✓		✓			Role-Play	Reflection



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department :Ophthalmology

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
526071	Ophthalmology					

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER&MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFE LONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526071	Ophthalmology	✓	✓	✓				✓	✓	✓					✓	✓			

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

COURSE OUTCOMES(CO) The learner is able to:		PROGRAMME OUTCOMES (PO)						METHOD OF DELIVERY	METHOD OF ASSESSMENT	
		PO1	PO2	PO3	PO4	PO5	PO6			PO7
Cognitive Domain										
1. List the abnormal conditions of the eye.		✓			✓			Lecture	Written	
2. Diagnose various eye diseases which are most prevalent in the country.		✓	✓	✓			✓	Small group discussion	Structured Essay	
3. Manage various eye conditions like conjunctivitis, sty, chalazion and foreign body.		✓	✓	✓	✓	✓	✓	Case based learning	Viva	
4. Recognize and give medical treatment of anterior segment diseases.		✓		✓		✓	✓	✓	Small Group Discussion	Group Activity
5. Identify the national objectives and be an active participant in the National Programme for Prevention and Control of Blindness.		✓	✓		✓			Interactive session	Written/Viva	
6. Recognize the ophthalmic manifestations of systemic diseases.		✓		✓		✓	✓	✓	Lecture/Small Group discussion	Viva
Psychomotor Domain										
7. Demonstrate the procedure, Indications, Contraindications of Ocular Bandaging Techniques		✓		✓			✓		DOAP/CBL	Practicals



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8.Demonstrate the methods of ocular surface staining, and its uses, advantages and disadvantages	✓		✓			✓		DOAP	OSCE
9. Illustrate all components of visual acuity like distant vision, Near vision, color vision, field of vision in cataract patients	✓		✓					AP	Practicals
10. Demonstrate Dry eye Evaluation by Schirmer test-1 and schirmer-2, test, Phenol red test	✓					✓		DO	OSCE
11. Illustrate the procedure of Epilation, Precautions to be taken before performing epilation after getting informed written consent	✓		✓					DOA	OSCE
12. Illustrate Foreign body removal using cotton swabs using topical anaesthesia	✓		✓					CBL	Practicals
Affective Domain (At the end of the course)									
6. Effective communication in view of Counselling for cataract surgery	✓		✓		✓			Bedside clinics	OSCE
7. Awareness about Eye Donation in view of community health perspective	✓	✓	✓				✓	SGD/SDL	OSCE
8. Screening for Vitamin A deficiency at levels of primary, secondary and tertiary level centers along with public health team	✓	✓	✓			✓	✓	Group Discussion	OSCE
9. Work with ethics			✓		✓			Lecture	Structured Essay



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NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department : COMMUNITY MEDICINE

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES (PO)				
		PO1	PO2	PO3	PO4	PO5
526073 & 526074	COMMUNITY MEDICINE					

Program Outcomes (POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
526073 & 526074	Community Medicine	✓	✓	✓	✓			✓	✓	✓					✓	✓			

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

DepartmentOfCommunityMedicine

COURSEOUTCOMES(CO) Thelearnerisableto:	PROGRAMMEOUTCOMES (PO)							METHOD OFDELIVE RY	METHOD OFASSESSME NT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CognitiveDomain									
C01 ListatleastfivecausesofmaternalandInfantmortalityastheyapplytona tionalhealthcareprioritiesandprogrammes	✓	✓	✓	✓	✓			Lecture	OSCE
C02 Describe the determinants of physical, social, psychological,economicandenvironmentaldeterminantsofhealthanddise ase	✓	✓	✓	✓				Lecture	LE/SEQ
PsychomotorDomain									
C03 Recognize,investigate,report,planandmanagecommunityhealthprob lemsincludingmalnutritionandemergencies		✓	✓			✓	✓	Fieldvisits	Case scenarios /OSCE
C04 ImplementandmonitorNationalHealthProgrammesintheprimaryc are setting		✓	✓				✓	Fieldvisits	Case scenarios /OSCE
C05 Recognizeandmanagecommonhealthproblemsincludingphysical, emotional and social aspects at individual family andcommunitylevelinthecontextofNationalHealthProgrammes,	✓	✓	✓		✓		✓	Field visits – Clinico SocialCase	Clinical Exam



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AffectiveDomain										
C06 Listen with empathy and gathering the people's perspective of the disease and healthcare	✓	✓	✓	✓	✓	✓		✓	Group Discussion	Reflections DOAP (under supervision)
C07 Elicit community participation in planning, monitoring and evaluation of the health programmes.	✓	✓	✓	✓	✓	✓	✓	✓	Group Discussion	Reflections
C08 Participate in a group activity and displaying teamwork at Primary care level.	✓	✓	✓		✓				Small Group Discussion	Reflections
C09 Use an objective approach in problem solving at Primary care level.	✓	✓		✓	✓				Case Scenarios	Problem Solving Q



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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department : GENERALMEDICINE

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
525081& 525082	General medicine I & II (including Psychological Medicine)	✓	✓	✓	✓	✓

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525081& 525082	General medicine I&II (including Psychological Medicine)	✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



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NANDYAL-518501, A.P

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES (PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
1. Describe the pathophysiology, basis, epidemiological profile, signs and symptoms of diseases and their investigations and management	✓			✓		✓	✓	Lectures, Small group discussion	Written, viva
2. Describe the mode of action of commonly used drugs, their doses, side effects, toxicity, indications, contraindications and drug interactions.	✓			✓		✓	✓	Lectures, small group discussion	Written, viva
Psychomotor Domain									
1. Interview and examine the patient to make a clinical diagnosis	✓		✓	✓		✓		Bedside clinics	OSCE
2. Order and interpret laboratory tests	✓			✓		✓	✓	Bedside clinics	OSCE
3. Initiate appropriate cost effective treatment, medical interventions required and preventive measures	✓	✓		✓		✓	✓	Bedside clinics	OSCE
4. Manage common emergencies	✓	✓		✓		✓		Bedside clinics	OSCE
Affective Domain									
1. Communicate effectively, educate and counsel the patients and family	✓	✓	✓		✓			Bedside clinics	OSCE
2. Refer emergencies when required	✓	✓	✓		✓	✓		Bedside clinics	OSCE



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3. Have an open attitude to the newer developments in medicine to keep abreast of new knowledge.	✓			✓	✓	✓		
4. Have an understanding of the art of medicine involving communication with patients, demonstration of empathy, reassurance.	✓		✓		✓		Beds declin ics	OSCE



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department :DERMATOLOGY

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
525081D, 525082D	GENERAL MEDICINE I & II					

Program Outcomes(POs)	Attributes
P01	CLINICIAN
P02	LEADER & MEMBER OF HEALTH CARE TEAM
P03	COMMUNICATOR
P04	LIFE LONG LEARNER
P05	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY																			
COURS ECOD E	COURSE TITTLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	PI	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525081D , 525082D	GENERAL MEDICIN EI&II	✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains		
Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1-Knowledge	P1-Perception	A1-Receiving Phenomenon
C2-Comprehension	P2-Set	A2-Responding to Phenomenon
C3-Application	P3-Guided Response	A3-Valuing
C4-Analysis	P4-Mechanism	A4-Organizing Values
C5-Synthesis	P5-Complex Overt Response	A5-Internalizing Values
C6-Evaluation	P6-Adaptation	
	P7-Origination	



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES (PO)					METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5		
Cognitive Domain							
CO1. To describe the causative factors and clinical presentation of acne and their management	✓			✓	✓	Lecture	WRITTEN
CO2. To describe the clinical manifestations of psoriasis, their complications and management	✓			✓	✓	Lecture	WRITTEN
CO3. To describe the causative organisms, manifestations and management of superficial fungal infections	✓			✓	✓	Lecture	WRITTEN
CO4. To describe the causative organisms, manifestations and management of viral infections	✓			✓	✓	Lecture	WRITTEN
CO5. To describe the causative organisms, manifestations and management of parasitic infestations	✓			✓	✓	Lecture	WRITTEN
CO6. To describe the causative organisms, manifestations and management of bacterial infections	✓			✓	✓	Lecture	WRITTEN
CO7. To classify the various nutritional dermatoses and their management	✓			✓	✓	Small group discussion	VIVA VOCE



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

CO8. To describe the etiopathogenesis, clinical features, complications and management of Hansen's disease (c1)	✓			✓	✓	Lecture	WRITTEN
CO9. To describe the causative organism, clinical manifestations and management of genital ulcer disease	✓			✓	✓	Small group teaching	VIVA VOCE
Psychomotor Domain							
CO10. To identify and distinguish vitiligo from other hypopigmented lesions	✓		✓	✓	✓	Bedside clinic	OSCE
CO11. To perform and demonstrate the clinical bedside tests in common dermatoses	✓		✓	✓	✓	DOAP	OSCE
CO12. To demonstrate the clinical and neurological examination of leprosy patient	✓		✓	✓	✓	Bedside clinic	OSCE
CO13. To demonstrate the organisms by staining and microscopic examination of fungus, AFB, STD cases.	✓		✓	✓	✓	DOAP	OSCE
Affective Domain							
CO14. To counsel the patient on starting antileprosy drugs about the need for adherence to therapy, common side effects.	✓	✓	✓	✓	✓	Bedside clinic	OSCE
CO15. To counsel the patient and partner in STD its prevention and need for treatment	✓	✓	✓	✓	✓	Roleplay	OSCE
CO16. To counsel the patient and family members regarding scabies management, prevention of recurrences	✓	✓	✓	✓	✓	Bedside clinic	OSCE



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department : Paediatrics

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
525087	Paediatrics including Neonatology					

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFE LONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

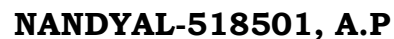
NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525087	Paediatrics including Neonatology	✓	✓	✓	✓			✓	✓	✓					✓	✓			

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	

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SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

Psychomotor Domain									
CO7. Assess and interpret the optimal growth, development and nutrition of children and adolescents and identify deviations from normal.	✓		✓	✓	✓	✓		DOAP, Bedside clinic	Osce
CO8. Perform Neonatal resuscitation and assessment of normal neonate.	✓	✓	✓	✓	✓	✓		Skill assessment	Log book entry
CO9. Ability to perform procedures as indicated for children of all ages in the primary care setting.	✓		✓	✓	✓	✓	✓	DOAP, Skill assessment	Log book entry
CO10. Diagnose and appropriately treat common pediatric and neonatal illnesses.	✓	✓	✓	✓	✓	✓		Bedside clinic	Osce
CO11. Provide emergency cardiopulmonary resuscitation to newborns and older children.	✓	✓	✓	✓	✓	✓	✓	Skill assessment	Log book entry
Affective Domain									
CO12. Communicate effectively with the parents	✓	✓	✓	✓	✓	✓	✓	roleplay	Osce
CO13. Counsel/educate mothers on the care of neonates.	✓	✓	✓	✓	✓	✓		roleplay	Osce
CO14. Participate in the National programmes effectively	✓	✓	✓	✓	✓		✓	Small group discussion	Log book entry
CO15. Discharge medico – legal and ethical responsibilities	✓			✓	✓	✓		Small group discussion	Written and viva
CO16. Motivate parents to consent for a diagnostic autopsy as well as for invasive procedures	✓		✓	✓	✓			DOAP, Skill assessment	Log book entry



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department : **Psychiatry**

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES (PO)				
		PO1	PO2	PO3	PO4	PO5
525081&525082	General medicine I & II (including Psychological Medicine)					

Program Outcomes (POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFE LONG LEARNER
PO5	PROFESSIONAL
PO6	CRITICAL THINKER
PO7	RESEARCHER



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

COURS ECOD E	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	PI	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525081 &5250 82	Generalmed icine I &II (includingPs ychological Medicine)	✓	✓	✓				✓	✓	✓					✓	✓	✓		

Codesforlearningoutcomesinthecognitive,psychomotorandaffectivedomains

Code–Cognitive Domain	Code–Psychomotor Domain	Code–AffectiveDomain
C1 -Knowledge	P1 -Perception	A1 -ReceivingPhenomenon
C2 -Comprehension	P2 -Set	A2 -RespondingtoPhenomenon
C3 -Application	P3 -GuidedResponse	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -OrganizingValues
C5 -Synthesis	P5 -ComplexOvertResponse	A5 -InternalizingValues
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



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MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES (CO) The learner is able to:	PROGRAMME OUTCOMES (PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. Classify different types of psychoses; differences between psychoses and neuroses; difference between functional and organic psychoses	✓			✓				Lecture	Written
CO2. Discuss Clinical features, diagnosis and management of Schizophrenia, Bipolar mood disorders, depression, Anxiety disorders, hysteria, Dementia; Alcoholism; Substance abuse	✓			✓				Lecture	Written
CO3. Discuss Concepts underlying normal and abnormal human behavior; principles of learning, memory, personality and intelligence; psychopathology	✓			✓				Lecture	Written
CO4. Describe common psychopathological symptoms and signs.	✓		✓	✓				Lecture/Small group Discussion	Written/Viva
CO5. Discuss common psychological and psychiatric disorders in a primary care setting	✓			✓				Lecture	Written/Viva
CO6. Describe principles of National and State programs that address mental health and welfare of patients and community	✓			✓				Lecture	Written/Viva
CO7. Enumerate Risk factors for Suicide and enlist assessment methods	✓							Lecture/ Small group Discussion	Written/Viva
CO8. Define the principles of Psychogeriatrics and clinical features of common mental illnesses in elderly	✓			✓	✓			Lecture	Written



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C09. Discuss Clinical features, diagnosis and management of psychiatric disorders of childhood and adolescence	✓			✓	✓		Lecture/ Small group Discussion	Written
C10. Historical aspects of the diagnosis and treatment of mental illness; concept of mental health vs. mental illness; classificatory system currently in use in psychiatry	✓			✓			Self-Directed Learning	Written
Psychomotor Domain								
C11. Elicit a detailed psychiatric history and Conduct mental status examination	✓	✓		✓	✓		DOAP/	OSCE
C12. Manage common psychological and psychiatric disorders in a primary care setting	✓	✓		✓	✓		DOAP/	OSCE
C13. Elicit and interpret psychopathological symptoms and signs.	✓	✓		✓	✓		CBD/SBD	Viva/OSCE
C14. Identify temperamental difficulties in children and personality disorders	✓	✓		✓	✓		DOAP/SBD	OSCE
C15. Assess risk for suicide and refer appropriately	✓	✓		✓	✓		DOAP/Observation	Viva/OSCE
C16. Identify preliminary treatment in disorders difficult to manage, and refer appropriately	✓	✓		✓	✓		DOAP	Viva/OSCE
C17. Assess mental disability and rehabilitate appropriately	✓	✓			✓	✓	DOAP	Viva/OSCE
C19. Organize mental health awareness programs	✓	✓	✓	✓	✓		DOAP/Self-directed Learning	
Affective Domain								
C20. Promote mental health and mental hygiene	✓	✓	✓	✓	✓		Observation/Reflective learning	OSCE



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C21. Effectively communicate and counsel patients and caregivers regarding mental illness with empathy	✓	✓	✓	✓	✓	Role playing/Case based learning	OSCE
C22. Counsel Patients about significance of Drug compliance and treatment adherence	✓	✓	✓	✓	✓	Role playing/Problem based learning	OSCE
C23. Communicate effectively and compassionately by breaking bad news with a relative/caregiver.	✓		✓	✓	✓	Reflective Learning	OSCE
C24. Counsel patients regarding Sleep hygiene measures and Stress management techniques	✓		✓	✓	✓	OSPE	OSCE



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Program : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
Department : GENERAL SURGERY

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES (PO)				
		PO1	PO2	PO3	PO4	PO5
525083&525084	SURGERY INCLUDING ORTHOPAEDICS & SURGERY INCLUDING ANESTHESIA	✓	✓	✓	✓	✓

Program Outcomes (POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525083 & 525084	SURGERY INCLUDING ORTHOPAEDICS & SURGERY INCLUDING ANESTHESIA	✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code-Cognitive Domain	Code-Psychomotor Domain	Code-Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES (CO) The learner is able to:	PROGRAMME OUTCOMES (PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. Define the structural and functional basis, principles of diagnosis and management of common surgical problems in adults and children	✓	✓		✓	✓			Lectures	OSCE
CO2. Explain the common malignancies in India and their prevention, early detection and therapy,	✓	✓	✓	✓	✓			lectures	Internal assessment OSCE
CO3. Develop the principles of sepsis, sterilization, disinfection, rational use of prophylaxis, therapeutic utilities of antibiotics and universal precautions in surgical practice,	✓	✓		✓	✓			Bedside clinical demonstration and lectures, group discussion	OSCE
CO4. Distinguish between acute and chronic conditions in surgical patients	✓	✓		✓	✓			Lectures	Internal assessment OSCE
CO5. Construct a treatment plan in an acute emergency surgical patients	✓	✓		✓	✓			Lectures, bedside clinics	OSCE
CO6. Requisition and interpret basic relevant investigations.	✓	✓		✓	✓			lectures	OSCE



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PsychomotorDomain									
CO6.To perform automatically basicsurgical suturing techniques	✓	✓	✓	✓	✓			Bed side clinics, skilllab, DOAP	OSCE
CO7.To perform confidently Foley's catheterization in male and female patients	✓	✓	✓	✓	✓			Skilllab, bedside clinics, DOAP	OSCE
CO8.To perform accurately intramuscular injection, venipuncture	✓	✓	✓	✓	✓			Skilllab, bedside clinics, DOAP	OSCE
CO9.To be able to coordinate with other department faculties while managing RTA patient	✓	✓	✓	✓	✓			Skilllab, bedside clinics, DOAP	OSCE
CO10.To perform breast examination	✓	✓	✓	✓	✓			Skilllab, bedside clinics, DOAP	OSCE
AffectiveDomain									
CO11.To be aware of quality and patient safety in surgical practice.	✓	✓	✓	✓	✓			Roleplay, bedside clinics	OSCE
CO12.To be able to discuss about the patient's condition to their attenders	✓	✓	✓	✓	✓			Roleplay, bedside clinics	OSCE
CO13.To follow up of patients with medical problems and refer when ever required	✓	✓	✓	✓	✓			Roleplay, bedside clinics	OSCE
CO14.To explain to the patient about post-operative complications prior to surgery	✓	✓	✓	✓	✓			Roleplay, bedside clinics	OSCE
CO15.To disclose bad news to the patient's attender	✓	✓	✓	✓	✓			Roleplay, bedside clinics	OSCE



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NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department :OBSTETRICS&GYNAECOLOGY

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
525085 &525086	Obstetrics including Social Obstetrics & Gynaecology & Family welfare	✓	✓	✓	✓	✓

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFE LONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525085 & 525086	Obstetrics & Gynaecology	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains		
Code–Cognitive Domain	Code–Psychomotor Domain	Code–Affective Domain
C1-Knowledge	P1-Perception	A1-Receiving Phenomenon
C2-Comprehension	P2-Set	A2-Responding to Phenomenon
C3-Application	P3-Guided Response	A3-Valuing
C4-Analysis	P4-Mechanism	A4-Organizing Values
C5-Synthesis	P5-Complex Overt Response	A5-Internalizing Values
C6-Evaluation	P6-Adaptation	
	P7-Origination	

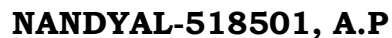


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NANDYAL-518501, A.P

MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES(PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. Describe common obstetric & Gynaecological problems	✓			✓				Lecture	Theoretical IA
CO 2. Outline preventive measures for Gynaecological infections	✓		✓	✓	✓	✓	✓	Seminar	Theoretical & viva voice
CO3. Describe physiology & normal mechanism of labour	✓			✓				Lecture/small group discussion	Theoretical IA & viva voice
CO 4. Understand the medical ethics pertaining to Obstetrics and Gynaecology	✓			✓				Seminar	Observation
CO5. Describe the normal physiological changes in pregnancy and postpartum	✓			✓				Lecture/small group discussion	Theory & viva voice
CO6. State the indications, techniques & complications of surgeries like Caesarean section, Laparotomy, Abdominal & Vaginal hysterectomy, MTP	✓	✓	✓	✓	✓	✓	✓	Lecture/skill lab	Demonstration, Observation
CO7. Outline the various principles & techniques of contraception & sterilization	✓			✓			✓	Lecture/skill lab	Viva voice & observation
CO 8. Enlist the leading causes of Maternal & Perinatal morbidity & mortality	✓		✓	✓		✓		Symposium	Viva voice
CO9. Identify the use, side effects & adverse effects of drugs in pregnancy and lactation	✓		✓	✓	✓		✓	Lecture/seminars	OSCE

[illegible]



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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department :Orthopaedics

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
525083	Surgery Including Orthopaedics					

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL
PO6	CRITICAL THINKER
PO7	RESEARCHER



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MAPPING OF COURSE TO LEARNING TAXONOMY

COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525083	Surgery Including Orthopaedics	Y	Y	Y	Y			Y	Y	Y					Y	Y	Y		

Codes for learning outcomes in the cognitive, psychomotor and affective domains

Code–Cognitive Domain	Code–Psychomotor Domain	Code–Affective Domain
C1 -Knowledge	P1 -Perception	A1 -Receiving Phenomenon
C2 -Comprehension	P2 -Set	A2 -Responding to Phenomenon
C3 -Application	P3 -Guided Response	A3 -Valuing
C4 -Analysis	P4 -Mechanism	A4 -Organizing Values
C5 -Synthesis	P5 -Complex Overt Response	A5 -Internalizing Values
C6 -Evaluation	P6 -Adaptation	
	P7 -Origination	

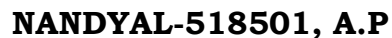


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NANDYAL-518501, A.P

MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES (PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. Describe the aetiology, pathophysiology, principles of diagnosis and management of <i>Fractures And Dislocations</i>	Y			Y		Y		Lectures	WRITTEN/VIVA
CO2. Define the aetiology, pathophysiology, principles of diagnosis and management of <i>Bone And Joint Infections</i>	Y			Y		Y		Lectures	WRITTEN/VIVA
CO3. Discuss the aetiology, pathophysiology, to classify and describe the principles of diagnosis and management of <i>Bone Tumors</i>	Y			Y		Y		Seminars	OSCE
CO4. Recall the aetiology, pathophysiology, principles of diagnosis and management of <i>Degenerative Diseases In Orthopaedics</i>	Y			Y		Y		Small group discussions	WRITTEN/VIVA
CO5. List the <i>Congenital Orthopaedic Anomalies</i> and explain their aetiology, pathophysiology, principles of diagnosis and management	Y			Y		Y		Lectures	WRITTEN/VIVA
CO6. Summarize the aetiology, pathophysiology, principles of diagnosis of <i>Metabolic Bone Diseases</i> and elaborate their management.	Y			Y		Y		Lectures	OSCE
CO7. Describe the aetiology, pathophysiology, principles of diagnosis and management of <i>Neuromuscular Disorders</i>	Y			Y		Y		Small group discussion	WRITTEN/VIVA
CO8. Categorize <i>Various Bone Deformities</i> and explain the aetiology, pathophysiology, principles of diagnosis and management of each of them.	Y			Y		Y		Small group discussion	OSCE

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SANTHIRAM MEDICAL COLLEGE

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MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme : BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)

Department : ANESTHESIOLOGY

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES (PO)				
		PO1	PO2	PO3	PO4	PO5
525084	2040,2041,2042,2043	✓	✓	✓	✓	✓

Program Outcomes (POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL

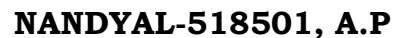


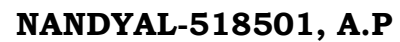
SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY																			
COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
525084	2040, 2041, 2042, 2043	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains		
Code–Cognitive Domain	Code–Psychomotor Domain	Code–Affective Domain
C1-Knowledge	P1-Perception	A1-Receiving Phenomenon
C2-Comprehension	P2-Set	A2-Responding to Phenomenon
C3-Application	P3-Guided Response	A3-Valuing
C4-Analysis	P4-Mechanism	A4-Organizing Values
C5-Synthesis	P5-Complex Overt Response	A5-Internalizing Values
C6-Evaluation	P6-Adaptation	
	P7-Origination	

[illegible]



CO7: Performcardio-pulmonaryresuscitationwith theavailableresources and transferthe patient to abigger	✓	✓	✓		✓	✓	✓	✓	DOAP	SkillLab
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hospitalforadvancedlifesupport.									
CO8: Setup intravenousinfusion	✓				✓			DOAP	OSCE
CO9:Clear andmaintainairwayinanunconscious patient	✓	✓	✓	✓	✓			DOAP	SkillLab
CO10:Administeroxygentoapatient correctly	✓		✓	✓	✓	✓	✓	DOAP	OSCE
AffectiveDomain									
CO11: Discusstheimportanceofinformed consentforvariousprocedures	✓		✓		✓			GroupDisc ussion	Reflections
CO12: Discusstheimportance ofmaintaining the registers&documents.		✓	✓		✓			GroupDisc ussion	Reflections
CO13: Counselingand advice regarding various methodsofanaesthesia	✓		✓		✓			GroupDisc ussion	Reflections



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE OUTCOMES TO PROGRAMME OUTCOMES

Programme
Department

: BACHELOR OF MEDICINE BACHELOR OF SURGERY (M.B.B.S)
:RADIODIAGNOSIS

COURSE CODE	COURSE TITLE	PROGRAMME OUTCOMES(PO)				
		PO1	PO2	PO3	PO4	PO5
2040, 2041, 2042, 2043	Radiodiagnosis	✓	✓	✓	✓	

Program Outcomes(POs)	Attributes
PO1	CLINICIAN
PO2	LEADER & MEMBER OF HEALTH CARE TEAM
PO3	COMMUNICATOR
PO4	LIFELONG LEARNER
PO5	PROFESSIONAL



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE TO LEARNING TAXONOMY																			
COURSE CODE	COURSE TITLE	COGNITIVE						PSYCHOMOTOR							AFFECTIVE				
		C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
	RADIOLOGY AGNOSIS	✓	✓	✓				✓	✓	✓					✓	✓	✓		

Codes for learning outcomes in the cognitive, psychomotor and affective domains		
Code–Cognitive Domain	Code–Psychomotor Domain	Code–Affective Domain
C1-Knowledge	P1-Perception	A1-Receiving Phenomenon
C2-Comprehension	P2-Set	A2-Responding to Phenomenon
C3-Application	P3-Guided Response	A3-Valuing
C4-Analysis	P4-Mechanism	A4-Organizing Values
C5-Synthesis	P5-Complex Overt Response	A5-Internalizing Values
C6-Evaluation	P6-Adaptation	
BLOOM	P7-Origination. SIMPSON	KRATHWOHL'S TAXONOMY



SANTHIRAM MEDICAL COLLEGE

NANDYAL-518501, A.P

MAPPING OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES, METHOD OF DELIVERY AND ASSESSMENT

COURSE OUTCOMES(CO) The learner is able to:	PROGRAMME OUTCOMES(PO)							METHOD OF DELIVERY	METHOD OF ASSESSMENT
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
Cognitive Domain									
CO1. Enumerate the indications for various investigations in common clinical practice	✓			✓				Didactic lecture / Powerpoint	DIDACTICQ&A MCQ/OSCE
CO2. Describe the ill effects of radiation and various radiation protective measures to be employed	✓		✓	✓				Didactic lecture / Powerpoint	DIDACTICQ&A MCQ/OSCE
CO3. Able to identify and describe abnormalities in common radiological investigations	✓			✓				Didactic lecture / Powerpoint	DIDACTICQ&A MCQ/OSCE
CO4. Describe clinical presentations of various cancers	✓			✓				Didactic lecture / Powerpoint	DIDACTICQ&A MCQ/OSCE
CO5. Enumerate appropriate treatment modalities for various types of malignancies	✓			✓				Didactic lecture / Powerpoint	DIDACTICQ&A MCQ/OSCE
CO6. State the various principles of radiotherapy and techniques	✓			✓				Didactic lecture / Powerpoint	DIDACTICQ&A MCQ/OSCE
Psychomotor Domain	✓								
CO7. Perform the skill of X ray Loading on lobby and x ray handling	✓			✓				Demo/Videodemo	DEMO
CO8. Show how to handle the various ultrasound probes	✓	✓		✓				Demo/Videodemo	DEMO
Affective Domain									
CO9. Describe the various radiation protective measures to be employed.	✓			✓	✓			Didactic lecture / Powerpoint	ROLEPLAY/MCQ /OSCE



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