



SAINT JAMES
SCHOOL OF MEDICINE

Your Future. Our Promise.™

INTENDED LEARNING OUTCOMES

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Competency:

Integration of the Basic Sciences in Medicine

Cognitive Domains		Learning Outcomes	Education Courses / Activities																							Evaluation Methods									
			Pharmacology	Neurosciences	Histology	Physiology	CCBS1	CCBS2	CCBS3	CCBS4	PDI	Ethics	Anatomy & Embryology	Biochemistry & Genetics	Microbiology	Epidemiology	Pathology	Pathology I	Pathology II	RHM	Internal Medicine	Family Medicine	OBI/GYN	Pediatrics	Family Medicine	Psychiatry	Surgery	Elective Rotation	Exams	Practicals	NBME	USMLE	Observation		
K6	Knowledge and understanding of the action, metabolism, and toxic effects of drugs and their therapeutic applications, indications, contraindications and side effects.	x	x		x			x	x	x									x	x	x	x	x	x	x	x					x	x	x	x	
K7	Knowledge and understanding of the principles of health maintenance, education, prevention and screening. Knowledge and understanding of the epidemiology of common diseases and conditions and the systematic approaches in reducing the incidence and prevalence of those diseases.	x	x				x		x	x		x	x	x	x	x			x	x	x	x	x	x	x	x	x					x	x	x	x
K8	Knowledge and understanding of the principles of management of suffering and disability, rehabilitation and the care of the dying, palliative and hospice care, basic pain mechanisms and basic strategies for pain management.	x	x							x	x	x							x	x	x	x	x	x	x	x					x	x	x	x	
K9	Knowledge and understanding of normal growth and development.	x	x	x	x	x	x	x	x		x	x				x	x					x	x	x									x	x	x
K10	Knowledge and understanding of the principles and concepts of normal behavior and mental illness. Basic knowledge and understanding psychological, cultural and spiritual well-being of patients and their families, and the interactions between humans and their social and physical environment.	x	x							x	x	x							x	x	x	x	x	x	x	x					x	x	x	x	



K = Knowledge

Competency:

Integration of the Basic Sciences in Medicine

Education Courses / Activities

Evaluation Methods

Cognitive Domains

Learning Outcomes

Cognitive Domains	Learning Outcomes	Education Courses / Activities																				Evaluation Methods													
		Pharmacology	Neurosciences	Histology	Physiology	CCBS1	CCBS2	CCBS3	CCBS4	PDI	Ethics	Anatomy & Embryology	Biochemistry & Genetics	Microbiology	Epidemiology	Pathology I	Pathology II	RHM	Internal Medicine	Family Medicine	OBLGYN	Pediatrics	Family Medicine	Psychiatry	Surgery	Elective Rotation	Exams	Practicals	NBME	USMLE	Observation				
K11	Knowledge and understanding of health care provision systems in a culturally diverse society, their advantages and limitations, the principles of efficient and equitable allocation and use of finite resources, and of local and national needs in health care and the delivery of service. Knowledge and understanding of the ethical principles of health care and the legal issues in medicine.	x	x					x	x	x	x							x	x	x	x	x	x	x	x						x	x	x	x	x
K12	Knowledge and understanding of the normal structure and function of the body and of each of its major organ systems	x	x	x	x	x	x	x	x		x	x	x					x	x	x	x	x	x	x	x						x	x	x	x	
K13	Knowledge and understanding of molecular, biochemical, and cellular mechanisms of maintaining homeostasis.	x	x	x	x		x	x	x	x		x	x					x	x	x	x	x	x	x	x						x	x	x	x	
K14	Knowledge and understanding of the clinical presentation of the common (listed in appendix) diseases and conditions as well as immediately life-threatening injuries, cardiac, pulmonary, or neurological conditions regardless of etiology, and appropriate initial treatment	x	x			x	x	x	x	x		x	x	x				x	x	x	x	x	x	x	x						x	x	x	x	
K15	Knowledge and understanding of the most frequent clinical, laboratory, roentgenologic, and pathologic manifestations of common diseases.	x	x		x	x		x	x	x		x	x	x				x	x	x	x	x	x	x	x						x	x	x	x	
K16	Knowledge and understanding of the important non-biological (economic, psychological, social and cultural factors) that contribute to the development and/or continuation of maladies (e.g. domestic violence, ethnicity etc).	x	x																																x
K17	Knowledge and understanding of healthy lifestyle.	x	x		x	x	x	x	x	x		x		x	x			x	x	x	x	x	x	x	x										x
K18	Interpret the results of commonly used diagnostic procedures	x	x		x	x	x	x	x	x		x	x	x				x	x	x	x	x	x	x	x										x



K = Knowledge

Competency:

Integration of Clinical Knowledge and Skills to Patient Care

Cognitive Domains		Learning Outcomes	Education Courses / Activities																				Evaluation Methods									
			Pharmacology	Neurosciences	Histology	Physiology	CCBS1	CCBS2	CCBS3	CCBS4	PDI	Ethics	Anatomy & Embryology	Biochemistry & Genetics	Microbiology	Epidemiology	Pathology I	Pathology II	RHM	Internal Medicine	Family Medicine	OB/GYN	Pediatrics	Family Medicine	Psychiatry	Surgery	Elective Rotation	Exams	Practicals	NBME	USMLE	Observation
S1	The ability to take a satisfactory (accurate, organised and problem-focused) medical history including, but not limited to: age, gender, psychosocial, ethnic, nutritional, occupational and sexual dimensions.	x	x																x	x	x	x	x	x	x	x					x	
S2	The ability to perform an accurate physical and mental state examination (both a complete systems based physical and mental status and organ specific examination).		x																x	x	x	x	x	x	x	x					x	
S3	The ability to utilize data (from the history, physical exam, laboratory and other diagnostic results) to identify the health problem. The ability to choose appropriate skills and apply them in a given situation. The ability apply evidence-based medicine in the management strategy of health care.	x	x		x														x	x	x	x	x	x	x	x					x	
S4	The ability to interpret and integrate the history, physical examination and diagnostic methods to formulate a list of differential diagnosis.	x	x		x	x													x	x	x	x	x	x	x	x					x	
S5	The ability to make management strategy (diagnostic, treatment, and prevention) for diseases and other health problems. The ability to select the most appropriate and cost-effective diagnostic procedures.	x	x		x														x	x	x	x	x	x	x	x					x	
S6	The ability to apply preventive and health maintenance principles and techniques in the delivery of health care.	x	x																x	x	x	x	x	x	x	x					x	
S7	The ability to perform routine technical procedures (see App 2), and procedures specific to the medical specialty (see Clinical handbook) to entail accurate observation and make critical analyses of data.																		x	x	x	x	x	x	x	x					x	



S = Skills

Competency:

Integration of Clinical Knowledge and Skills to Patient Care

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S15	The ability to apply preventive and health maintenance principles and techniques in the delivery of health care.	x	x						x		x									x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
S16	The ability to apply the appropriate use of laboratory methods in identifying diseases or health problems.	x	x	x	x	x	x	x	x	x		x	x	x		x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
S17	The ability to recognize patients with immediately life threatening conditions and perform suturing of lacerations and BCLS (CRP).						x	x	x	x	x									x	x	x	x				x	x							
S18	The ability to demonstrate effective physician-patient interaction skills, including (but not limited to) the tolerance towards the values and beliefs of others serving and served by the health care system, and the ability to facilitate the clarification and negotiation of differences in values and beliefs in others.	x	x	x	x	x	x	x	x	x	x	x	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x			x	
S19	The ability to utilize appropriate communication skills to obtain a history, diagnosis, and to suggest an effective management and treatment plan to patients.																			x	x	x	x	x	x	x	x	x			x			x	
S20	The ability to utilize appropriate communication skills to effectively cooperate with colleagues and members of the healthcare team in the care of patients and their families.	x	x																																x
S21	The ability to utilize appropriate communications skills to obtain a history, diagnosis and suggest an effective treatment plan to patients	x	x																																x
S22	The ability to effectively communicate with peers and members of the healthcare team in the care of patients and their families	x	x		x	x	x	x	x	x	x	x									x	x	x	x	x	x	x	x	x	x	x				x

 S = Skills









Competency: Professionalism

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AB1	The ability to apply humanistic values in the delivery of health care, to demonstrate responsibility toward the health interests of the patient and the community. The ability to recognize and accept ethical and moral aspects of the profession. To demonstrate honesty and integrity in all interactions, particularly with patients, their families and the community.	x	x			x	x	x	x	x	x								x	x	x	x	x	x	x					x
AB2	The ability to cooperate with other health care providers, patients and their families from diverse cultural backgrounds. To demonstrate the understanding of, and respect for, their roles in individual and public health care.	x	x				x	x	x	x	x	x							x	x	x	x	x	x	x					x
AB3	The ability to respect the patients' dignity, privacy, and confidentiality in the delivery of health care as well as the compassion.	x	x				x		x	x	x	x							x	x	x	x	x	x	x					x
AB4	The ability to effectively communicate effectively, both orally and in writing, with patients, patients' families, colleagues, health care workers and the others with whom he/she must exchange information in carrying out their responsibilities.	x	x				x	x	x	x	x	x							x	x	x	x	x	x	x					x
AB5	The ability to seek help, when needed, to deal with academic, personal, or interpersonal problems, openness to the feedback.	x	x			x	x	x	x	x	x	x							x	x	x	x	x	x	x					x
AB6	The ability to demonstrate the awareness of the personal manners, dress, grooming, speech, and interpersonal skills expected by the community of a medical professional. The ability to assume responsibility, think critically, exercise sound judgment, and act prudently with full awareness of the limits of one's intellectual and technical abilities.	x	x				x	x	x	x	x								x	x	x	x	x	x	x					x
AB7	The ability to consistently carry out one's duties with honesty, personal integrity, self-motivation, and self-discipline. The ability to demonstrate willingness to monitor the behavior and competence of other professionals and to deal appropriately with inadequate or unethical behavior, evidence of impairment,	x	x	x	x	x	x	x	x	x	x								x	x	x	x	x	x	x					x



AB = Attitude and Behavior

Competency: Life Long Learning and Self Improvement

Cognitive Domains		Education Courses / Activities																								Evaluation Methods						
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Learning Outcomes																																
 A88	Recognize the need to engage in lifelong learning and the commitment to engage in lifelong learning in order to maintain sufficient familiarity with scientific advances to ensure	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					x	
 A89	The ability to recognize personal educational needs, to select and utilize appropriate learning resources, apply principles of evidence based medicine, the capacity to recognize and accept limitations in one's knowledge and clinical skills, and a commitment to continuously improve one's knowledge and ability.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					x	
 S24	The ability to critically appraise the medical literature.	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x		x	x			x	
 AB10	A commitment to advocate the interests of the patients over own selfish interests, willingness to provide care to patients who are unable to pay and to advocate for access to health care for members of traditionally underserved populations.	x	x																x	x	x	x	x	x	x						x	
 AB11	The ability to demonstrate personal responsibility, reliability, dependability, open-mindedness, and curiosity	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						x	
 AB12	Effective communication skills: besides English language proficiency, to demonstrate the capability to utilize verbal and non-verbal communication specific to culture, gender, and patient understanding.		x				x		x	x	x								x	x	x	x	x	x	x			x			x	
 S25	Ability to understand ethnical and cultural differences and to demonstrate awareness of how patient culture,	x	x			x	x	x	x	x	x								x	x	x	x	x	x	x			x	x	x	x	x
 K22	Basic understanding of risk management, resource utilization, patient safety, and medical errors.	x																	x	x	x	x	x	x	x						x	



K = Knowledge



S = Skills



AB = Attitude and Behavior

SJSM LEARNING OUTCOMES

Intended Learning Outcomes (ILOs): These are statements that describe the significant and essential achievements that are expected from a course or program, i.e.. what students should have achieved and can reliably demonstrate at the end of that course or program. These ILOs, taken together, must form the basis for a curriculum. The onus for the development of this falls within the responsibility of the medical faculty, whether individual or collective. The ILOs must also be used to formulate learning objectives for each educational unit.

Learning objectives are the specific intended results or consequences of instruction, curricula, programs, or activities. In medical education ILOs have been formulated in terms of expected competencies, hence there is a close relationship between the two.

Competencies: The list of competencies is based on the core competencies suggested by ACGME. On graduation, SJSM expects their students to obtain competencies in the following areas at the level of the beginning practitioner:

- Integration of the Basic Sciences in Medicine.
- Integration of Clinical Knowledge and Skills to patient care.
- Interpersonal and Communication Skills.
- Professionalism.
- Organization and Systems-Based approach to Medicine.
- Lifelong learning and Self-Improvement.

The medical faculties cannot confine themselves to isolated assessments of knowledge and skills.

Cognitive Domains: The essential and enduring knowledge, abilities (skills) and attitudes (values, dispositions) that constitute the integrated learning needed by a graduate of a course or program).