

uOttawa Faculty of Medicine - MD Program Curriculum Objectives

Domain: B = Behaviour; G = General; K = Knowledge; S = Skill
MCC Mapping Legend: EXP = Expert; PRO = Professional; COM = Communicator; SCO = Scholar; MAN = Manager; COL = Collaborator; HEA = Health Advocate; G = General; NM = No Match
Program Competencies: CL = Clinician; CM = Communicator; CO = Collaborator; PR = Professional; H = Health Advocate; SC = Scholar; PE = Person; M = Manager
[Click here](#) to view the full list of program objectives (sub-competencies).

Course: Pediatrics - CLI3107 Theme: Learning Event: Pediatrics objectives Event Type: Other Date: Aug 21- 2023 to Aug 21- 2023 Time: 08:00 AM to 09:00 AM									
Non Examinable	#	Obj#	Obj. Text	mcc	domain	prog_comp	prog_obj	ugmeepa	
	1	10295	Demonstrate empathy, respect and understanding for patients regardless of their beliefs, and ethnic, cultural and socioeconomic backgrounds.		B	CM PR CL CO H SC M	CL2 CL3 CL4 CM1 CM2 CM3 CO1 CO2 CO3 PR1 PR2 PR3 H1 H2 SC1 SC2 M1 M2		
	2	11038	Demonstrate a clinical approach appropriate to the developmental stages of the child or adolescent and family		S	CL			
	3	11039	Demonstrate communication skills that facilitate the clinical interaction with children, adolescents and their families		B	CM CL			
	4	11040	Develop clinical problem-solving skills.		S	CL			
	5	11041	Describe the influence of family, community and society on the child in health and disease.		S	PR			
	6	11042	Discuss strategies for health promotion as well as disease and injury prevention.	EXP-78-3	S	CL			
	7	11043	Demonstrate the attitudes and professional behaviors appropriate for pediatric clinical practice.		B	PR			
	8	11044	Discuss the approach of pediatricians to the health care of children and adolescents.		S	CO			
	9	11046	Recognize the child or adolescent at risk in different family environments.		S	CL			

	10	11047	Communicate clearly and sensitively with the child and parents, health care team of professionals involved in the care of the child.		S	CM CO		
	11	11048	Conduct a medical interview appropriate for different pediatric age groups, settings, and time constraints.		S	CL CM		
	12	11049	Obtain a medical history from a second party as well as from the pediatric patient.		S	CL CM		
	13	11050	Demonstrate respect for confidentiality when dealing with adolescents.		B	PR CM		
	14	11051	Demonstrate observational skills in the examination of children.		S	CL		
	15	11053	Recognize that the approach to the patient and the physical examination (areas to examine and the order of the examination) are influenced by age.		S	CL		
	16	11054	Complete and interpret the growth curve chart (head circumference, height and weight).		S	CL		
	17	11056	Perform a standardized developmental screening test.	EXP-21	S	CL		
	18	11057	Determine the sexual maturity rating (SMR) of an adolescent in development.	EXP-93-1	S	CL		
	19	11059	Provide anticipatory guidance when appropriate.		S	CM CL		
	20	11060	Discuss effective communication techniques when breaking news of a serious illness to a parent.					
	21	11061	Discuss the diagnosis of acute and chronic illnesses and educate the parents and patients in the management of these illnesses.		S	SC CL		
	22	11062	Write a complete and precise summary of the history and physical examination in a timely manner and without using abbreviations.		S	CM		
	23	11063	Write admission orders, progress notes and dictate an appropriate discharge summary.		S	CM		
	24	11064	Present a complete, well organized summary of the findings of the patient's history and physical examination.		S	CM CL		
	25	11065	Communicate effectively with other health care workers, including consultants, nurses and social workers.		S	CM CO		
	26	11066	Explain the thought processes that led to the diagnostic and therapeutic plan when presenting a patient's case.		S	CM CL		
	27	11067	Propose a complete problem list as well as an age appropriate differential diagnosis for each patient encountered clinically.		S	CL		
	28	11068	Formulate an initial diagnostic and therapeutic plan, considering the cost, risks, benefits and severity of the disease.		S	CL		
	29	11069	Interpret the results of the ordered laboratory tests and recognize that the normal values of some tests may vary with the age of the patient.		S	CL		
	30	11070	Demonstrate critical thinking skills and the ability to use scientific evidence from the paediatric literature in making clinical decisions.		S	CL SC		
	31	11071	Recognize the need for collaboration with other health care providers such as Child Protective Services.		S	CO		
	32	11072	Recognize the indications for, and interpret the results of, the following: nasogastric tube insertion and suction, auger suction and throat swab, intradermal skin test as well as urinalysis and blood smears.		S	CL		
	33	11073	Perform a lumbar puncture.		S	CL		
	34	11074	Perform an IV insertion.		S	CL		
	35	11075	Demonstrate ability to provide a health supervision visit including: anticipatory guidance about nutrition, behaviour, immunization, injury prevention and healthy life style for teenagers.		K	CL		

	36	11076	Describe the different types of immunizations, their indications and side effects, and the standard childhood immunization schedule.		K	CL		
	37	11077	Summarize and interpret the following screening tests: Neonatal, Developmental, Hearing, Vision, Speech and Drug.	EXP-74-1	K	CL		
	38	11078	Identify intrauterine factors which affect growth of the fetus.	EXP-118-3	K	CL		
	39	11079	Recognize normal variants of growth, such as familial short stature and constitutional delay	EXP-101	S	CL		
	40	11080	Identify early signs of intellectual disability and cerebral palsy.	EXP-21	S	CL		
	41	11081	Recognize normal patterns of mental and pubertal development.	EXP-93-1	S	CL		
	42	11082	Describe the typical presentation of the following common behavioural problems: sleep disorders, temper tantrums, toilet training, eating disorders, enuresis, attention deficit disorder and risk taking.	EXP-98 EXP-5 EXP-47-3 EXP-118-2	S	CL		
	43	11083	Identify, by using the medical history and physical examination, behavioural and psychosocial problems.	EXP-5 EXP-21 EXP-31-2	S	CL		
	44	11084	Describe the caloric, vitamin, mineral needs and routine sequence of food introduction for infants and small children.	EXP-31-2	K	CL		
	45	11085	Identify the major differences between human milk and commonly available formulas.	EXP-31-2	K	CL		
	46	11086	Describe the advantages of breast feeding and list the common difficulties experienced by breast-feeding mothers.	EXP-31-2	S	CL		
	47	11087	Recognize and manage food intolerance.	EXP-4	S	CL		
	48	11088	Describes strategies for interviewing and counseling adolescents about contraception, STD, and risk taking behaviors.	EXP-17 EXP-113	S	CL		
	49	11089	Describe pertinent features in the history and physical exam when evaluating a patient with delay in pubertal development.	EXP-93-1	S	CL		
	50	11090	Recognize psychosocial and mental health problems common in adolescents including school failure, eating disorders, depression and suicide.	EXP-118-2 EXP-105	S	CL		
	51	11091	Describe the physiological transition from fetus to the neonate.	EXP-74-1	K	CL		
	52	11092	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of seizures in the newborn.	EXP-92 EXP-74-1	S	CL		
	53	11093	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of cyanosis in the newborn.	EXP-74-1	S	CL		
	54	11094	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of jaundice in the newborn.	EXP-49-1				

	55	11095	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of respiratory distress in the newborn.	EXP-74-1 EXP-27-3	S	CL		
	56	11096	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of hypoglycemia in the newborn.	EXP-74-1 EXP-37-1	S	CL		
	57	11097	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of lethargy in the newborn.	EXP-74-1 EXP-71-2	S	CL		
	58	11098	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of vomiting in the newborn.	EXP-74-1 EXP-116	S	CL		
	59	11099	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of sepsis in the newborn.	EXP-74-1 EXP-71-2	S	CL		
	60	11100	Describe the important historical information, physical findings and laboratory data needed to help formulate the differential diagnosis and management of poor feeding in the newborn.	EXP-74-1 EXP-31-2	S	CL		
	61	11101	List routine medications given to the healthy newborn at the time of delivery (i.e., vitamin K and erythromycin).	EXP-74-1	K	CL		
	62	11102	Demonstrate comfort in examining normal newborn infants, and assessing gestational age.	EXP-74-1	S	CL		
	63	11103	Recognize variations of 'normal' in newborns, e.g. skin, bones, measurements.	EXP-74-1	S	CL		
	64	11104	Discuss the recognition of illness and screening tests in the newborn.	EXP-74-1	S	CL		
	65	11105	Recognize common problems of normal newborn infants, including but not limited to: hyperbilirubinaemia, erythema toxicum, feeding and hydration problems, developmental dysplasia of the hip.	EXP-74-1 EXP-49-1 EXP-31-2 EXP-20	S	CL		
	66	11106	Discuss anticipatory guidance (how to talk to and what to tell parents) about the following: 1. Normal newborn care: breast / bottle feeding, cord care, sleep, BM, urine, 2. Prevention of disease: hygiene, accident prevention, 3. Parental health: post-partum adjustment, diet and Follow-up in office, and when to call.	EXP-74-1	S	CL		
	67	11107	Demonstrate the ability to comfortably examine stable premature infants and recognize the differences between premature and normal term newborns.	EXP-74-1 EXP-82	S	CL		
	68	11108	Recognize the problems faced by growing premature infants after the acute period.	EXP-82	S	CL		

69	11109	Perform physical examinations on all newborn babies admitted to community paediatricians in the mother-baby unit and the observation area.	EXP-74-1	S	CL		
70	11111	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of infants of diabetic mothers.	EXP-74-1 EXP-31-2	S	CL		
71	11112	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of a newborn who is large for gestational age.	EXP-74-1	S	CL		
72	11113	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of a newborn who is small for gestational age.		S	CL		
73	11114	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of seizures and neonatal encephalopathy in the newborn.	EXP-92 EXP-74-1	S	CL		
74	11115	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of bronchopulmonary dysplasia in the newborn.	EXP-27-3	S	CL		
75	11116	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of necrotizing enterocolitis.	EXP-82	S	CL		
76	11117	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of retinopathy of prematurity.	EXP-82	S	CL		
77	11118	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of the apnea of prematurity.	EXP-82 EXP-27-3	S	CL		
78	11119	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of anemia /polycythemia.	EXP-42-1 EXP-42-2	S	CL		
79	11120	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of bleeding disorders.		S	CL		
80	11121	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of sepsis / meningitis in a child.	EXP-31-2				
81	11122	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of patent ductus arteriosus.	EXP-27-3	S	CL		
82	11123	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of the floppy infant.	EXP-71-2	S	CL		
83	11124	Explain the basic science of gene structure and function, basic embryology and multi-factorial inheritance.		K	CL		
84	11125	Discuss common findings associated with abnormalities in chromosome numbers (e.g. Down's syndrome, Turner's); genetic disorders (sickle cell, cystic fibrosis) and congenital malformations (spina bifida, cleft palate).	EXP-21	S	CL		
85	11126	Discuss the effects of teratogenic agents including alcohol, hydantoin, maternal tobacco smoking and use of illicit drugs.	EXP-21	K	CL		
86	11127	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of short stature.	EXP-101	S	CL		
87	11128	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of failure to thrive.	EXP-31-2	S	CL		
88	11129	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of obesity.	EXP-118-1	S	CL		
89	11130	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of abnormal head size.		S	CL		

	90	11131	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of cough.	EXP-18	S	CL		
	91	11132	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of fever.		S	CL		
	92	11133	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of sore throat.	EXP-100	S	CL		
	93	11134	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of earache.	EXP-28	S	CL		
	94	11135	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of URI.	EXP-18	S	CL		
	95	11136	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of abdominal pain.	EXP-3-1	S	CL		
	96	11137	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of vomiting.	EXP-116	S	CL		
	97	11138	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of diarrhea.	EXP-22-3	S	CL		
	98	11139	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of dermatitis/rash.		S	CL		
	99	11140	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of dehydration.	EXP-71-2	S	CL		
	100	11141	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of pneumonia.	EXP-27-3	S	CL		
	101	11142	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of shock in a child.	EXP-9-2				
	102	11143	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of trauma.	EXP-109	S	CL		
	103	11144	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of limp.	EXP-20	S	CL		
	104	11145	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of headaches.	EXP-39	S	CL		
	105	11146	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of seizures.	EXP-92	S	CL		
	106	11147	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of wheezing.	EXP-27-3	S	CL		
	107	11148	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of stridor.	EXP-27-3	S	CL		
	108	11149	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of heart murmurs.		S	CL		
	109	11150	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of lymphadenopathy.	EXP-54	S	CL		
	110	11151	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of splenomegaly.		S	CL		
	111	11152	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of hepatomegaly.		K	CL		
	112	11153	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of abdominal mass.		S	CL		
	113	11154	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of pallor.		S	CL		
	114	11155	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of echymoses / petechiae.		S	CL		
	115	11156	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of hematuria.		S	CL		
	116	11157	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of proteinuria.	EXP-84	S	CL		
	117	11158	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of UTI.		S	CL		
	118	11159	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of cellulitis.		S	CL		
	119	11160	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of conjunctivitis.	EXP-30	S	CL		

	120	11161	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of hypertension in childhood.	EXP-9-1-1	S	CL		
	121	11162	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of sudden infant death syndrome.		S	CL		
	122	11163	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of a brief resolved unexplained event (BRUE).		S	CL		
	123	11164	Describe the common medications/treatment regimens (and their adverse effects) used in the pediatric inpatient and outpatient care of common acute and chronic disorders including: analgesics, antibiotics, antipyretics, bronchodilators, cough and cold prep, corticosteroids , vitamin/mineral supplements.		S	CL		
	124	11165	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of asthma.	EXP-27-3	S	CL		
	125	11166	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of congenital malformations.	EXP-20 EXP-74-1	S	CL		
	126	11167	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of cystic fibrosis.	EXP-27-3	S	CL		
	127	11168	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of developmental delay.	EXP-21	S	CL		
	128	11169	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of diabetes.		S	CL		
	129	11170	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of eczema.		S	CL		
	130	11171	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of chronic failure to thrive.	EXP-31-2	S	CL		
	131	11172	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of joint pains.	EXP-50-1 EXP-50-2 EXP-50-3	S	CL		
	132	11173	Discuss the etiology, pathophysiology, differential diagnosis, investigations, and management of malignancy.		S	CL		
	133	11174	Describe the physician's and parent's role in gradually fostering a child's self management of a chronic illness, e.g. diabetes, rheumatoid arthritis, asthma, and seizure disorder.	EXP-27-3 EXP-92	S	CL		
	134	11175	Recognize the differences of drug absorption, distribution, metabolism and elimination in the pediatric population as compared to the adult population.		K	CL		
	135	11176	Recognize common drugs that are either contraindicated, or to be used with extreme caution, in specific paediatric populations.		K	CL		
	136	11177	Summarize the factors that affect drug excretion into breast milk.		K	CL		
	137	11178	Discuss the basic science relating to water and electrolyte distribution, daily requirements of fluids, electrolytes and glucose requirements, as well as renal physiology, in infants and children.		K	CL		
	138	11179	Recognize the signs and symptoms of dehydration, and describe the investigation and management of a child with dehydration.	EXP-31-2				
	139	11180	Calculate and write IV orders for initial fluid replacement fluids for a patient with dehydration caused by gastroenteritis and diabetic ketoacidosis.	EXP-116	S	CL		

	140	11181	Recognize and explain the clinical consequence of electrolyte disturbances.	EXP-79-1 EXP-79-2 EXP-99-1 EXP-99-2	S	CL		
	141	11182	Discuss the use of oral rehydration therapy.		S	CL		
	142	11183	Discuss the epidemiology of poisoning and accidental ingestion of common toxic substances.	EXP-77	K	CL		
	143	11184	Describe the clinical manifestations, toxicity and basic management of ingestion of iron, aspirin, acetaminophen, tricyclic, caustic agents and hydrocarbons.	EXP-77	S	CL		
	144	11185	Describe how best to use the poison control centre.	EXP-77	K	CL		
	145	11186	Discuss the “ABCD” (Airway, breathing, circulation, disability) assessment in identifying patients in need of immediate medical attention and intervention.					
	146	11187	Describe the initial emergency management of shock, severe respiratory distress, head trauma, ataxia, seizures, coma, and apnea.	EXP-9-2 EXP-92 EXP-35 EXP-27-3 EXP-58-1	S	CL		
	147	11188	Identify the signs and symptoms of physical abuse, sexual abuse and neglect.	EXP-114-1	S	CL		
	148	11189	List the important family, social and environmental history in suspected abuse.	EXP-114-1	S	CL		
	149	11190	Recognize the physical findings in traumatic head injury due to child maltreatment (THI-CM).	EXP-114-1 EXP-109-10	S	CL		
	150	11191	Recognize the "well" vs. "unwell" looking child.					
	151	11192	Use a problem oriented approach to patient care.		S	CL		
	152	11193	Demonstrate the ability to perform minor surgical procedures in children.		S	CL		
	153	11195	Recognize and demonstrate the importance of time management in delivering high quality care.		B	CL M		
	154	11196	Recognize the diagnosis, and describe the principles of management, for the infant or child presenting with neurological signs and fever (including bacterial meningitis, viral meningitis , febrile seizures and headaches).	EXP-92 EXP-39	S	CL		
	155	11197	Recognize the diagnosis, and describe the principles of management, for the young child with abdominal symptoms including gastroenteritis , pyloric stenosis, intussusception and appendicitis.	EXP-3-1	S	CL		
	156	11198	Recognize the diagnosis, and describe the principles of management, for the child with skeletal trauma including spiral fractures, greenstick or buckle fractures and epiphyseal fractures (Salter-Harris classification).		S	CL		
	157	11199	Recognize the diagnosis, and describe the principles of management, for the child with a rash including the differential of common childhood rashes.		S	CL		
	158	11200	Recognize the diagnosis, and describe the principles of management, for the infant with a fever including urinary tract infections, pneumonia, infant less than 2 months of age and infant with occult bacteremia.	EXP-27-3	S	CL		

	159	11201	Recognize the diagnosis, and describe the principles of management, for the child with respiratory distress including retropharyngeal abscess , epiglottitis, croup, bronchiolitis, asthma and foreign body aspiration.	EXP-27-3	S	CL		
	160	11202	Recognize the diagnosis, and describe the principles of management, for the child who has ingested a toxic substance including evaluation, GI decontamination and supportive care.	EXP-77	S	CL		
	161	11203	Identify specific issues where child advocacy can be benefited by a community approach (bicycle helmet, car safety, nutrition programs).	EXP-78-3	S	CL		
	162	11204	Modify the history taking skills (used with the adult) to the special circumstances of the pediatric patient.		S	CL		
	163	11205	Obtain the historical data required for assessment of physical growth, mental development, behaviour and psychosocial development in all age groups.	EXP-101 EXP-21	S	CL		
	164	11206	Demonstrate the ability to obtain a detailed prenatal history, birth history and feeding history when relevant (especially for the infant).	EXP-74-1	S	CL		
	165	11207	Demonstrate knowledge of normal growth and development which can be derived from the history including rates of height and weight as well as developmental milestones in the first year.	EXP-101 EXP-21	S	CL		
	166	11209	Modify the physical examination skills (used with the adult) to the examination of the child, including measurement of height, weight, head circumference, blood pressure, order of the examination and stage of secondary sexual development.		S	CL		
	167	11210	Describe normal growth patterns (and variations), as determined by the physical examination including: Height and weight in the first year, head circumference and fontanelle closure.	EXP-101 EXP-21	S	CL		
	168	11211	Describe physical and cognitive development as determined by the physical examination, including: development of head control, age of sitting unsupported, standing, walking, speaking ability.	EXP-101 EXP-21	S	CL		
	169	11212	Modify the interview, history, and physical examination for the following clinical situations: Newborn Assessment, Complete assessment of a new problem, Specific assessment of a minor problem, Re-assessment of a previous problem, Health supervision (well baby or well child assessment).	EXP-74-1	S	CL		
	170	11213	Interpret the basic pediatric chest x-ray and abdominal x-ray.		S	CL		
<p>Date and Time: July 20, 2023 - 8:11 AM</p> <p>Username: ilussier</p>								