

VoCATS Course Blueprint

Health Occupations Education

7222 Medical Sciences II

*Public Schools of North Carolina
State Board of Education • Department of Public Instruction
Office of Instructional and Accountability Services
Division of Instructional Services*

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VoCATS Course Blueprint

A course blueprint is a document laying out the framework of the curriculum for a given course.

Shown on the blueprint are the units of instruction, the core competencies in each unit, and the specific objectives for each competency. The blueprint illustrates the recommended sequence of units and competencies and the cognitive and performance weight of the objective within the course.

The blueprint should be used by teachers to plan the course of work for the year, prepare daily lesson plans, construct instructionally valid interim assessments. Statewide assessments are aligned directly with the course blueprint.

For additional information about this blueprint, contact program area staff. For additional information about the VoCATS Competency Achievement Tracking System, contact program area staff or VoCATS, Workforce Development, Division of Instructional Services, North Carolina Department of Public Instruction, 301 North Wilmington Street, Raleigh, North Carolina 27601-2825, 919/807-3876, email: rwelfare@dpi.state.nc.us.

Interpretation of Columns on VoCATS Course Blueprints

No.	Heading	Column information
1	Comp# Obj.#	Comp=Competency number (two digits); Obj.=Objective number (unique course identifier plus competency number and two-digit objective number).
2	Unit Titles/Competency and Objective Statements	Statements of unit titles, competencies per unit, and specific objectives per competency. Each competency statement or specific objective begins with an action verb and makes a complete sentence when combined with the stem "The learner will be able to. . ." (The stem appears once in Column 2.) Outcome behavior in each competency/objective statement is denoted by the verb plus its object.
3	Time Hrs	Space for teachers to calculate time to be spent on each objective based on the course blueprint, their individual school schedule, and analysis of students' previous knowledge on the topic.
4&5	<u>Course Weight</u> Cognitive Performance	Shows the relative importance of each objective, competency, and unit. Weight is broken down into two components: cognitive and performance. Add the cognitive and performance weights shown for an objective in columns 4 and 5 to determine its total course weight. Course weight is used to help determine the percentage of total class time that is spent on each objective. The breakdown in columns 4 and 5 indicates the relative amount of class time that should be devoted to cognitive and performance activities as part of the instruction and assessment of each objective. Objectives with performance weight should include performance activities as part of instruction and/or assessment.
6	Type Behavior	Classification of outcome behavior in competency and objective statements. (C=Cognitive; P=Performance)
7	Integrated Skill Area	Shows links to other academic areas. Integrated skills codes: A=Arts; E=English Language Arts; CD=Career Development; CS=Information/Computer Skills; H=Healthful Living; M=Math; SC=Science; SS=Social Studies.
8	Core Supp	Designation of the competencies and objectives as Core or Supplemental. Competencies and objectives designated "Core" must be included in the Annual Planning Calendar and are assessed on the statewide assessments..

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HEALTH OCCUPATIONS EDUCATION
COURSE BLUEPRINT for 7222 MEDICAL SCIENCES II
 Recommended hours of instruction: 135-180

Comp # Obj #	Unit Titles/Competency and Objective Statements (The Learner will be able to:)	Time Hours	Course Weight		Type Behavior	Integrated Skill Area
			Cognitive	Performance		
1	2		4	5	6	7
	Total Course Weight		100%			
	Total Cognitive and Performance Weights		59%	41%		
A	PROFESSIONAL DEVELOPMENT		14%			
MS201.00	Apply employability skills.		6%		C3P	C/SS
<i>MS201.01</i>	<i>Summarize professional attributes.</i>		2%		C2	C/SS
<i>MS201.02</i>	<i>Demonstrate employment strategies.</i>				C3P	C/SS
<i>MS201.03</i>	<i>Communicate effectively in a clinical setting.</i>				C3P	C/SS
MS202.00	Differentiate between legal and ethical issues impacting health care.		8%		C3	C/SS
<i>MS202.01</i>	<i>Analyze legal responsibilities, limitations, and implications of actions.</i>		4%		C3	C/SS
<i>MS202.02</i>	<i>Contrast personal and professional ethics.</i>		4%		C3	C/SS
B	SYSTEMS		9%			
MS203.00	Analyze health care delivery systems.		4%		C3	H/SC
<i>MS203.01</i>	<i>Differentiate various facilities and organizations.</i>		2%		C3	H/SC
<i>MS203.02</i>	<i>Explore the accessibility and financial issues of health care.</i>		2%		C3	H/SC
MS204.00	Investigate systems changes.		5%		C3	H/SC
<i>MS204.01</i>	<i>Review trends in health care.</i>		2%		C3	H/SC
<i>MS204.02</i>	<i>Critique alternative medical modalities.</i>		3%		C3	H/SC
C	SAFETY		12%	11%		
MS205.00	Apply infection control measures in the health care setting.		6%	2%	C3P	H/SC
<i>MS205.01</i>	<i>Analyze the principles of infection control.</i>		3%	1%	C3	H/SC
<i>MS205.02</i>	<i>Maintain sterile technique and isolation.</i>		3%	1%	C3P	H/SC

Comp # Obj #	Unit Titles/Competency and Objective Statements (The Learner will be able to:)	Time Hours	Course Weight		Type Behavior	Integrated Skill Area
			Cognitive	Performance		
1	2		4	5	6	7
MS206.00	Utilize workplace safety practices.		3%	2%	C3P	H/SC
<i>MS206.01</i>	<i>Apply body mechanics and client safety measures.</i>		2%	1%	C3P	H/SC
<i>MS206.02</i>	<i>Apply fire safety practices.</i>		1%	1%	C3P	H/SC
MS207.00	Administer emergency care.		3%	7%	C3P	H/SC
<i>MS207.01</i>	<i>Acquire CPR certification.</i>		2%	4%	C3P	H/SC
<i>MS207.02</i>	<i>Demonstrate first aid skills.</i>		1%	3%	C3P	H/SC
D	ASSESSMENT AND DIAGNOSTIC PRACTICES		13%	8%	C3	
MS208.00	Analyze life stages.		8%		C3	H/SC
<i>MS208.01</i>	<i>Explore normal growth and development.</i>		4%		C3	H/SC
<i>MS208.02</i>	<i>Investigate diseases and disorders related to specific life stages.</i>		4%		C3	H/SC
MS209.00	Monitor client status.		5%	8%	C3P	H/SC
<i>MS209.01</i>	<i>Assist with client physical assessment.</i>		4%	7%	C3P	H/SC
<i>MS209.02</i>	<i>Demonstrate recording and reporting.</i>		1%	1%	C3P	H/SC
E	MAINTENANCE PRACTICES		11%	2%		
MS210.00	Evaluate the role of nutrition in health and disease.		7%		C3	H/SC
<i>MS210.01</i>	<i>Analyze basic nutrition.</i>		2%		C3	H/SC
<i>MS210.02</i>	<i>Interpret various factors that influence nutrition.</i>		2%		C3	H/SC
<i>MS210.03</i>	<i>Discuss the relationships of specific medical nutritional therapy.</i>		3%		C2	H/SC
MS211.00	Interpret the importance of preventive health care practices.		4%	2%	C3	H/SC/SS
<i>MS211.01</i>	<i>Explain healthy behavior patterns.</i>		2%	1%	C2	H/SC/SS
<i>MS211.02</i>	<i>Determine the value of health screenings and immunizations.</i>		2%	1%	C3	H/SC/SS
F	SPECIALTY					
MS212.00	Develop skills related to a specific career goal in a clinical setting.			20%	C3P	C/H/SC