CBlue Manual for Public/Basic Users

Last Updated: September 2023

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Introduction

Welcome to Dalhousie University Undergraduate Medical Education's Curriculum Map, developed by Faculty of Medicine clinicians, educators, and staff and hosted by CBlue. The Curriculum Map is a tool to explore UGME Educational Program Objectives and their connections to all curricular units contained within the Dalhousie four-year undergraduate medicine training program.

Each year, faculty review and update the curriculum content and make changes to the program's learning objectives, assessments, and activities. These changes are updated in the map annually (at the end of each academic term) and aims to keep content current with everchanging research and standards of practise within medicine as well as keeping it fresh and engaging for our students. Users may explore current and previous versions of the map as far back as the 2021-2022 academic year.

Logging on to CBlue

To access the curriculum map, users can follow https://cblue.dal.ca

All users must have Dalhousie credentials including a NetID (ex: ab123456) and password. As of 2023, Dalhousie requires Multi-Factor Authentication (MFA) to access all university technologies and platforms. If a user has not yet setup MFA, they will need to do so to access the map.

User Permissions

On first login, all users default to Public user permissions. This level of permissions allows user to navigate and explore the map on a *read-only* basis. Should a user like to change their permissions to access other functions of CBlue, like generating reports or editing, they will need to contact the Map Administrator, ugmemap@dal.ca, and request a user role change.

A breakdown of the user roles and their associated permission in CBlue can be found in CBlue Roles & Permissions document in Additional Resources

Curriculum Structures & Organization

The curriculum map is organized into a four-level hierarchy of structures, each with associated educational objectives. Each objective is linked or "mapped" to one or more parent objective(s) in the structure level above. Granularity of the objectives increases as you descend the structure levels of the map.

A good analogy to help visualize this concept is that of nesting dolls, where smaller dolls fit into larger ones, usually in a specific order.

When the map is updated on an annual basis, most of the changes are in level 3 and 4, Components and Learning Sessions respectively.

Standard Unit Structure
Most of the map is organized in a standard unit structure as displayed in the figure above.

Non-Standard Unit Structures
Some units, particularly in clerkship, do not follow the standard unit structure due the nature of the specific teaching activities within the unit. These units are organized in one of the following cases:
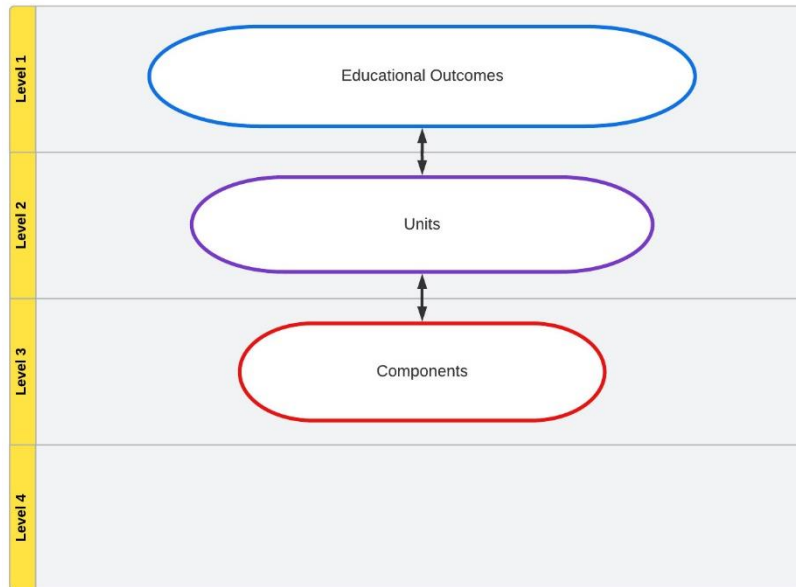
Unit (Lvl2) Terminal
Does not have any mapped structures beyond unit-level objectives (ie: no components or learning sessions) Ex: RIM
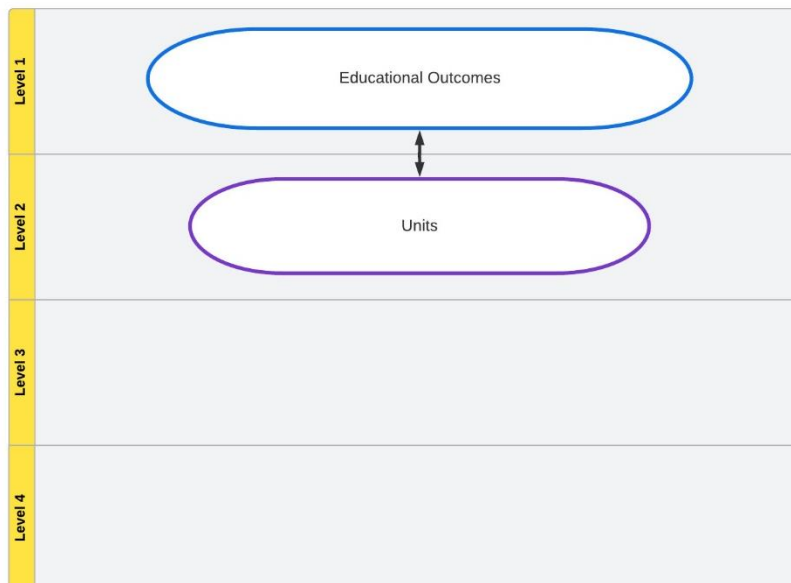
Component (Lvl3) Terminal

Does not have mapped structures beyond component-level objectives (ie no learning sessions) Ex: Skilled Clinician 2, Ophthalmology

Missing Component Level

Does not have level 3, component structures but does not level 4, learning sessions. In these cases, the parent structure (ie unit-level) objectives are cloned down to act as a placeholder to maintain a overall consistent organization of the map. Placeholder structures are denoted by the code *Cx* Ex: PIER 1
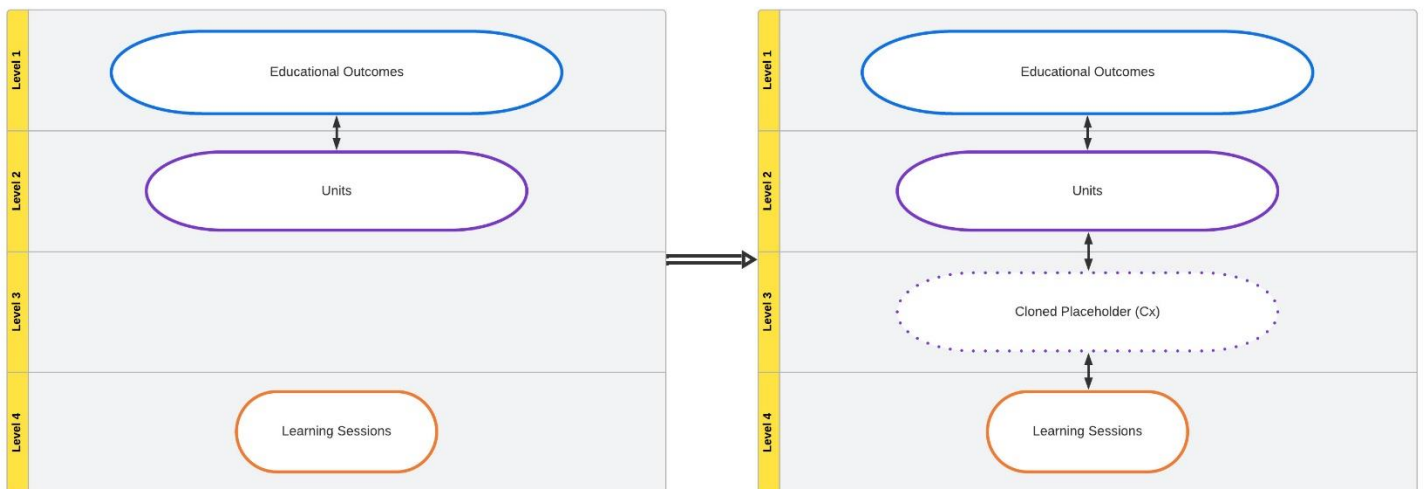
<u>Objective Codes</u>

Each map objective is given a unique code which helps in identifying and categorizing them into their respective structure levels and units within the map. All objective codes follow the same nomenclature denoted by:

Structure Level – Abbreviated Structure Name – Unique Code Number

Example A: C-M-5
- C = Component level
- M = Metabolism unit
- 5 = Objective #5

Example B: L-NSc-1
- L = Learning session level
- NSc = Neuroscience unit
- 1 = Objective #1

A table of abbreviated structure names can be found in the Additional Resources.

Switching Academic Years

Upon first login, users will be brought to the current academic year's map. User can select to view previous versions of the curriculum map as far back as the 2021-2022 academic year. Should you like to review versions of map older than 2021, please contact the Map Administrator, ugmemap@dal.ca

Hover the cursor over the *MD [academic year]* title box in the top, centre of the screen. A menu will appear listing the current and previous academic years. Select an academic year to load map.
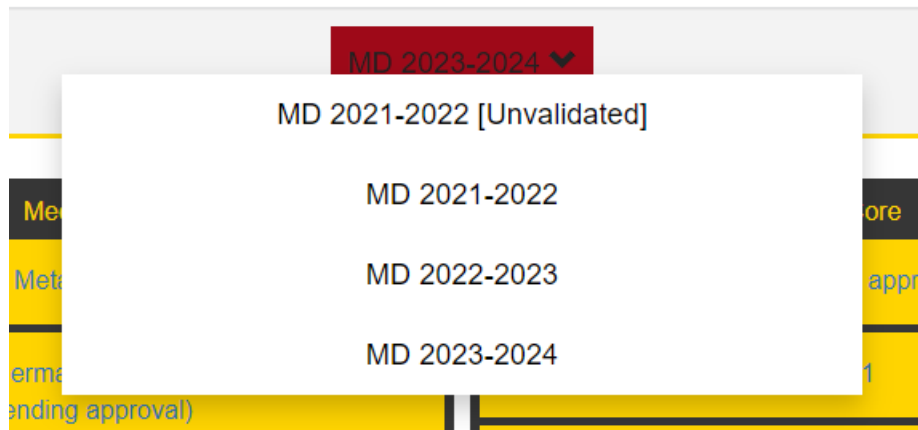
Navigating the Map

The map is organized into four columns for each year of the undergraduate medicine program. Each column can be split into *Core Units*, distinct learning units that are taught over a specific period and *Longitudinal Units*, diffuse learning units taught over the course of the entire academic year. Users may navigate the map by selecting individual units which will then load the structure's page. To return to the main academic year page, simply click on the Dalhousie University logo in the top left corner.
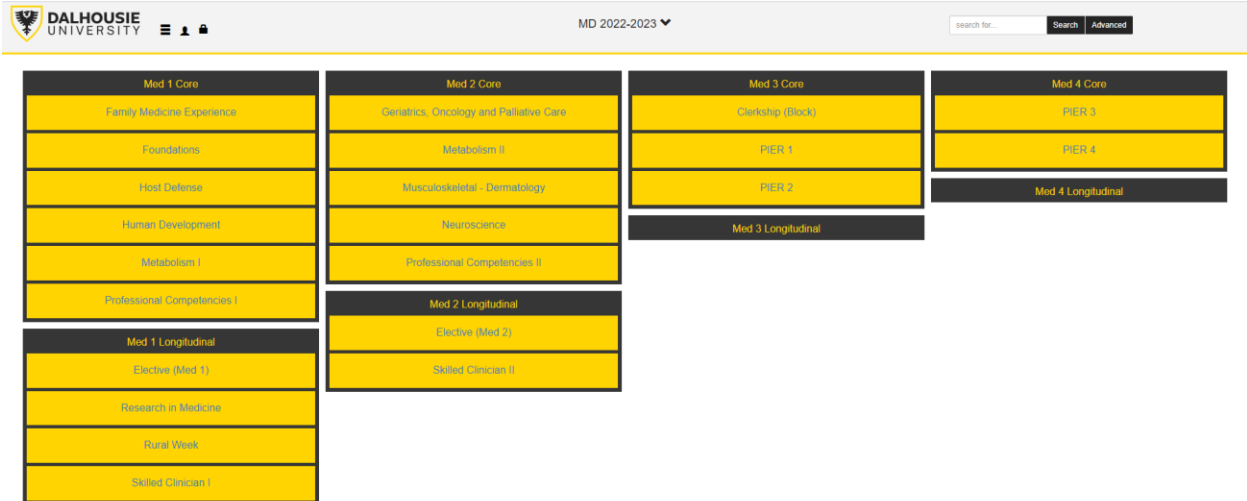
Breadcrumb Navigation

Due to the complexity of the curriculum, it is common for users to lose their place while exploring the map. Users can reference the breadcrumb trail located in the top ribbon of the structure page which will display their current map location. Users can navigate back by clicking specific locations from the breadcrumb trail.

Learning Session Details

MD 2022-2023/ Med 3/ Med 3 Core/ PIER 1/ PIER 1 Component

Component:	PIER 1 Component
Session:	Lecture: Management of Acute Pain
Session Number:	23

Teaching Method	Duration
Lecture	1

Map Structure Page Setup

Each map structure's page is setup in a similar format with structure description and expandable menus containing that structure's objectives, mapping information, and other details.

Unit

Unit Details

Unit: Metabolism II

2 → **Description:** This unit presents the major diseases of the cardiovascular, renal and respiratory systems. All three components of the unit include pediatric and adult conditions. Case-based learning sessions focus on the pathophysiology and clinical presentation of the major types of cardiovascular, renal and respiratory disease with appropriate coverage of physiology. Lectures and laboratory sessions present content on normal human physiology, anatomy and histology as well as the pathophysiology and principles of management of diseases affecting these three systems.

Notes:

3 → **Higher Level Professional Competencies** 14

4 → **Unit Objectives** 6

Objective	Maps to Component Objective:
U-M2-1 Describe the mechanisms underlying biochemical and physiological processes of oxygen exchange, acid-base balance, blood pressure and renal function.	C-M2-11, C-M2-17, C-M2-18, C-M2-20, C-M2-22, C-M2-24, C-M2-28, C-M2-29, C-M2-30, C-M2-31
U-M2-2 Recognize normal and abnormal anatomic and histological structures of the cardiovascular, renal and respiratory systems.	C-M2-1, C-M2-2, C-M2-3, C-M2-20, C-M2-21, C-M2-22, C-M2-24, C-M2-25, C-M2-28, C-M2-31, C-M2-35, C-M2-36
U-M2-3 Apply the clinical, pharmacological and basic science knowledge acquired to the understanding of pathophysiological mechanisms that underlie diseases of the cardiovascular, renal and respiratory systems.	C-M2-2, C-M2-3, C-M2-6, C-M2-7, C-M2-8, C-M2-9, C-M2-13, C-M2-14, C-M2-20, C-M2-22, C-M2-23, C-M2-24, C-M2-26, C-M2-27, C-M2-28
U-M2-4 Diagnose and manage common clinical problems of the cardiovascular, renal and respiratory systems across the life span.	C-M2-4, C-M2-5, C-M2-7, C-M2-12, C-M2-15, C-M2-16, C-M2-19, C-M2-20, C-M2-28, C-M2-33, C-M2-34
U-M2-5 Relate the influence of societal factors to cardiovascular, renal and respiratory system health and disease.	C-M2-10, C-M2-32
U-M2-6 Consider the role of physicians in influencing community determinants of health, in particular related to smoking, exercise and nutrition.	C-M2-10, C-M2-32

5 → **Components** 4

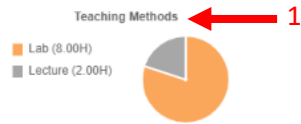| Name |
|---|
| Cardiology Component |
| Metabolism 2: Anatomy Component |
| Nephrology Component |
| Respirology Component |

1. Breadcrumb navigation – Displays current map location
2. Unit description – Brief description of unit subject matter, topics, goals, and teaching delivery
3. Higher Level Professional Competencies – This expandable container contains the listed Entrusted Professional Activities (EPAs) and Educational Outcomes (EOs) to which the unit-level objectives map to.
4. Unit-level objectives table – This table displays the unit-level objectives (level 2, see Curriculum Structure & Organization) in the first column and component-level objectives (level 3) each of them map down to in the second.
5. Components list – Listing of all the components within the unit

Component

Component Details

MD 2022-2023/ Med 2/ Med 2 Core/ Metabolism II

Unit: Metabolism II

Component: Metabolism 2: Anatomy Component

Description: Metabolism 2: Anatomy Component

Notes:

Teaching Methods **1**

- Lab (8.00H)
- Lecture (2.00H)

2 → Component Objectives 3

Objective	Maps to Learning Session Objective:	Maps to Unit Outcome:
C-M2-1 Describe the anatomy and explain the basic physiology of cardiac function. The student should be able to relate the anatomy and physiology to the normal and abnormal cardiac physical exam findings and laboratory and diagnostic imaging results.	L-M2-28, L-M2-30, L-M2-31, L-M2-32, L-M2-36, L-M2-50, L-M2-51, L-M2-52, L-M2-71, L-M2-72, L-M2-73, L-M2-74, L-M2-84, L-M2-88, L-M2-91, L-M2-92, L-M2-93, L-M2-94, L-M2-95, L-M2-96, L-M2-97, L-M2-98, L-M2-99, L-M2-100, L-M2-101, L-M2-102, L-M2-103, L-M2-104, L-M2-105, L-M2-112, L-M2-113, L-M2-115, L-M2-145, L-M2-146, L-M2-156, L-M2-157, L-M2-158, L-M2-159, L-M2-160, L-M2-161, L-M2-162, L-M2-163, L-M2-320, L-M2-321, L-M2-422, L-M2-424, L-M2-425, L-M2-604, L-M2-638, L-M2-636, L-M2-637, L-M2-635, L-M2-639	U-M2-2
C-M2-21 Recognize the normal gross anatomy of the kidney, describe its structure and blood supply, identify the histological appearance of the normal kidney, and describe alterations in histology in common acquired and congenital diseases of the glomerulus and tubulointerstitium.	L-M2-67, L-M2-68, L-M2-176, L-M2-283, L-M2-300, L-M2-443, L-M2-444, L-M2-445, L-M2-487, L-M2-605, L-M2-641, L-M2-642, L-M2-640	U-M2-2
C-M2-35 Describe and identify the normal gross anatomy of the respiratory organs.	L-M2-2, L-M2-3, L-M2-69, L-M2-389, L-M2-390, L-M2-437, L-M2-446, L-M2-447, L-M2-448, L-M2-452, L-M2-473, L-M2-474, L-M2-475, L-M2-606, L-M2-607, L-M2-608, L-M2-609, L-M2-610, L-M2-630, L-M2-632, L-M2-633	U-M2-2

3 → Learning Sessions 6

Name
Lecture: Gross Anatomy of the Heart
Lab: Histology in Metabolism 2
Lab: Retroperitoneum: Gross, Pathological and Radiological Anatomy
Lab: Gross Anatomy of the Thorax (focus on respiratory system)
Mediastinum Lab: Gross and Pathological Anatomy
Lecture: Cardiac Anatomy

1. Teaching methods pie graph – Visual display of the teaching methods by hour for the specific component. Users can review definitions of each method in the Glossary of Teaching Methods document in Additional Resources
2. Component objectives table – This table displays the component-level objectives (level 3, see Curriculum Structure & Organization) in the first column, session-level objectives (level 4) each of them map down to in the second, and unit-level objectives (level 2) each map up to
3. Learning session list – Listing of all learning sessions within that component

Session

Learning Session Details

MD 2022-2023/ Med 2/ Med 2 Core/ Metabolism II/ Metabolism 2: Anatomy Component

Component:	Metabolism 2: Anatomy Component
Session:	Lab: Histology in Metabolism 2
Session Number:	3 ← 2
Notes:	

Teaching Method	Duration
Lab	2

← 1

3 →

Learning Session Objectives ③

Objective ⬇	Maps to Component Objective: ⬆
L-M2-604 Recognize and describe the microscopic anatomy of arteries and veins.	C-M2-1
L-M2-605 Recognize and describe the microscopic anatomy of the kidneys, ureters and bladder.	C-M2-21
L-M2-606 Recognize and describe the microscopic anatomy of the trachea and lung.	C-M2-35

1. Teaching method table – Table displaying the teaching methods in which this session will be taught and the corresponding duration in hours. Users can review definitions of each method in the Glossary of Teaching Methods document in Additional Resources
2. Session number – Denotes the order number of the session as it happens in the component. In the example above, this lab is the third session that occurs in Anatomy Component.
3. Learning session objectives table – This table displays the session-level objectives (level 4, see Curriculum Structure & Organization) in the first column and component-level objectives (level 3) each of them map up to in the second

Search Function

CBlue offers a basic search tool, located in the top, right corner of the page.

search for...   Search   Advanced

Input a keyword into the search bar and hit Search. Results will show everywhere that keyword appears, as written, in the map. Search results are organized into expandable map structure menus (ex: unit objectives, learning session titles, component objectives, etc.) to aid the user in finding what specifically they're looking for.