



Complex Malignant Hematology

COURSE SYLLABUS (CMHE00ODM27)

2026-2027

Course Educator:

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Course Format: Self-study eLearning

Contact Information and Technical Support: support@desouzainstitute.com

Registration: Required

Eligibility: Nurses, Nurse Practitioners, Physician Assistants, Physicians, and Pharmacists

Prerequisite: None. *Taking either Foundations of Oncology Nursing Practice or Provincial Standardized Chemotherapy and Biotherapy (PSCB) is **strongly** recommended before taking this course.*

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A. COURSE DESCRIPTION

Cancer care is changing rapidly, especially within complex malignant hematology. *Complex Malignant Hematology* is a comprehensive course covering core competency areas in managing hematological malignancies. This course is designed to equip you with the knowledge you need to succeed in this challenging and rewarding subspecialty.

The course has **twelve sections**. You must complete the course within **twenty weeks** of the course start date (this date can be found on the course information page in your *My Account*).

Course content and resources provided in this course are based on best practice guidelines. Local protocols and policies vary among healthcare organizations; please consult educators within your organization if you have specific questions related to local protocols and policies.

B. de SOUZA DESIGNATION CREDITS

Domain of Practice	Treatment and Delivery of Evidence Based Care
Learning Hours	40 hours
de Souza Credit	1 credit

C. COURSE OBJECTIVES

By the end of this course, you will be able to:

- Describe the clinical presentation, risk factors, and pathophysiology of multiple myeloma, lymphoma, leukemia, and aplastic anemia.
- Explain the diagnosis and staging of each disease site, including prognostic indicators where available.
- Identify treatment modalities that are currently used for each disease site.
- Differentiate the care needs of patients receiving hematopoietic stem cell transplant and cellular therapies.
- Identify disease or treatment complications and explain the assessment and management of these complications.
- Anticipate, prevent, and manage oncologic emergencies seen in patients with hematological cancers.
- Identify potential patient education needs based on diagnosis, treatment, prognosis, and potential treatment complications.
- Recognize the unique issues patients face after treatment for hematological malignancies.

D. MODES OF LEARNING

The eLearning environment fosters a self-directed, self-paced, asynchronous approach. You can progress through the modules and exercises at a convenient time, at home or work. (The course timetable, in **Section I** of this syllabus outlines suggested weekly expectations for participants).

- **eLearning Modules:** Sections and modules reflect the latest knowledge in complex malignant hematology, including interactive application exercises and links to the latest clinical guidelines.
- **Study guides:** Each module has a printable study guide that you can download and fill in if you wish. This way you have study notes for the quizzes and course information to keep for your future reference. The study guide is not mandatory and completion of it is not included in the learning hours.

E. MODES OF EVALUATION

As part of the evaluation process, you are required to complete the following:

- **A Baseline Participant Survey:** assesses your knowledge, attitude, and confidence before you begin the eLearning modules for the course.
- **eLearning Modules:** You must complete all **12 sections** by the course end date.
- **Quizzes:** There are a total of **four open-book quizzes** in this course. You have **2 attempts** at each quiz to pass. The **minimum passing grade for each quiz is provided under “suggested course timeline” section I (below)**.
- **Course Evaluation:** You are required to complete a “Participant Post Survey” to provide feedback about the course.

When you have successfully completed the above requirements, you will receive **40 learning hours, 1 de Souza credit** towards obtaining your de Souza designation, and an email to direct you how to download your **certificate of completion** via your “My Account”.

F. EXPECTATIONS FOR PARTICIPANTS

You will need 2-3 hours a week minimum to complete the course on time. Track your course completion by viewing the ‘completion progress’ in the upper right hand corner of the course screen. Course extensions are not permitted, however in case of unexpected illness see **section L** for link to accommodation policy. The study guides will provide you with course content you can keep for future reference because after your course expiry date, you will not have access to the course or course resources.

G. COURSE EDUCATOR

[Margaret Forbes, RN\(EC\), MN, NP, CON\(C\)](#)

H. EDUCATOR AVAILABILITY

This course is **self-directed**. If you have questions about the course or are having difficulty with the course content, contact support@desouzainstitute.com Include the course name "CMHE00ODM27" in the subject line. You can expect the course educator to respond to your questions within 24 hours during the week, and within 48 hours (about 2 days) on the weekend.

I. SUGGESTED COURSE TIMELINE

	Suggested Weekly eLearning Activities
Week 1	✓ Learner Agreement ✓ Participant Baseline Survey ✓ Optional but recommended: Section 01 - Review of hematopoiesis, the immune system and diagnostic testing ✓ Download the Multiple Myeloma Study Guides ✓ Multiple Myeloma - Module 01: Pathophysiology & Diagnosis (1.5 hours) ✓ Multiple Myeloma - Module 02: Treatment (1.5 hours) Total learning hours: 3
Week 2	✓ Download the Lymphoma Study Guide ✓ Lymphoma - Module 01: Introduction, Presentation, and Diagnosis (0.5 hours) ✓ Lymphoma - Module 02: Hodgkin lymphoma (1.5 hours) ✓ Lymphoma - Module 03: Introduction to NHL (1 hour) Total learning hours: 3
Week 3	✓ Lymphoma - Module 04: Aggressive B-Cell NHL (1.5 hours) ✓ Lymphoma - Module 05: Indolent B-cell NHL (1.5 hours) Total learning hours: 3
Week 4	✓ Lymphoma - Module 06: T-cell lymphomas (0.75 hours) Total learning hours: 0.75

Quiz 1 (passing grade 79% or 11 correct answers out of 14 total quiz questions)	
Week 5	✓ Download the Leukemia Study Guides ✓ Leukemia - Module 01: Pathophysiology and diagnosis (1 hour) ✓ Leukemia - Module 02: Acute myeloid leukemia (1.5 hours) Total learning hours: 2.5
Week 6	✓ Leukemia - Module 03: Acute lymphoblastic leukemia (1 hour) ✓ Leukemia - Module 04: Myelodysplastic syndromes (1 hour) Total learning hours: 2
Week 7	✓ Leukemia - Module 05: Chronic myeloid leukemia (1 hour) ✓ Leukemia - Module 06: Complications & Supportive care (1 hour) Total learning hours: 2
Week 8	✓ Download the Aplastic Anemia Study Guides ✓ Module 01: Aplastic Anemia (0.75 hours) Total learning hours: 0.75
Quiz 2 (passing grade 80% or 8 correct answers out of 10 questions)	
Week 9	✓ Download the Hematopoietic Stem Cell Transplant & Adoptive Cell Therapy Study Guides ✓ HSCT - Module 01: Introduction to HSCT (1 hour) ✓ HSCT - Module 02: Autologous HSCT (0.5 hours) ✓ HSCT - Module 03: Allogeneic HSCT (0.75 hours) Total learning hours: 2.25
Week 10	✓ HSCT - Module 04a, 04b: Complications of HSCT (2 hours) ✓ HSCT – Module 05: CAR T-cell Therapy (1 hour) Total learning hours: 3

Week 11	✓ HSCT – Module 6: CAR T-cell Therapy Adverse Effects (0.75 hours) ✓ HSCT - Module 07: Survivorship Issues after HSCT & CAR T-cell therapy (0.5 hours) Total learning hours: 1.25
Week 12	✓ Download Infection Study Guides ✓ Module 01: Infection (1 hour) ✓ Download Other Complications of Disease and Treatment Study Guide ✓ Module 01: Other Complications of Disease and Treatment (1 hour) Total learning hours: 2
Quiz 3 (passing grade 75% or 9 correct answers out of 12 questions)	
Week 13	✓ Download the Oncologic Emergencies Study Guides ✓ Oncologic Emergencies - Module 01: Febrile Neutropenia & Sepsis (0.75 hours) ✓ Oncologic Emergencies - Module 02: TLS (0.75 hours) ✓ Oncologic Emergencies - Module 03: DIC (0.75 hours) Total learning hours: 2.25
Week 14	✓ Oncologic Emergencies - Module 04: Hypercalcemia (0.75 hours) ✓ Oncologic Emergencies - Module 05: SVCS (0.75 hours) ✓ Oncologic Emergencies - Module 06: Hyperleukocytosis (0.75 hours) Total learning hours: 2.25
Week 15	✓ Oncologic Emergencies - Module 07: SOS (0.75 hours) ✓ Oncologic Emergencies - Module 08: CRS & ICANS (0.75 hours) Total learning hours: 1.50
Week 16	✓ Download the Toxicities Study Guides ✓ Toxicities- Module 01: Introduction to Symptom Assessment Tools (0.5 hours) ✓ Toxicities- Module 02: Myelosuppression (0.75 hours) ✓ Toxicities- Module 03: Peripheral Neuropathy (0.75 hours) Total learning hours: 2

Week 17	✓ Toxicities- Module 04a: GI Toxicities - Introduction (0.25 hours) ✓ Toxicities- Module 04b: GI Toxicities - Constipation (0.75 hours) ✓ Toxicities- Module 04c: GI Toxicities - Diarrhea (0.75 hours) ✓ Toxicities- Module 04d: GI Toxicities – Nausea and Vomiting (0.75 hours) Total learning hours: 2.5
Week 18	✓ Toxicities- Module 05: Fatigue (0.5 hours) ✓ Toxicities- Module 06: Sexuality and Fertility (1 hour) ✓ Interactive Video Case Studies (0.5 hours) ✓ Download the Psychosocial Issues Study Guides Total learning hours: 2
Week 19	✓ Psychosocial Issues – Module 01: Emotional Distress (0.50 hours) ✓ Download the Survivorship Study Guide ✓ Module 01: Survivorship & Follow-up care after CMH treatment (1.5 hours) Total learning hours: 2 Grand total learning hours: 40 hours
Week 20	✓ Review content that you found more challenging. ✓ Course Evaluation: participant post-survey
Quiz 4 (passing grade 75% or 18 correct answers out of 24 questions)	

J. VIRTUAL LIBRARY

de Souza Institute has a virtual library that you can access 24 hours a day using your de Souza Institute login and password. There are 1500 e-Journals, 200 e-books and 8 on-line databases (e.g., CINAHL, Ovid-Medline) you can access to get the additional reading materials for your course.

The direct link is <https://library.desouzainstitute.com/login>.

K. TECHNICAL SUPPORT

eLearning Centre Orientation

The [de Souza Institute eLearning Centre Orientation Course](#) is a free, and brief module designed to help you navigate your online courses successfully. If this is your first time accessing the platform, completing this orientation will teach you how the learning management system works and how to track your progress.

de Souza Institute Support

If you need assistance accessing or navigating the eLearning Centre, please refer to the eLearning Orientation course. If you experience any technical difficulties, please contact support@desouzainstitute.com.

L. POLICIES AND PROCEDURES

Click the links below to read important de Souza Institute policies about:

[Academic Honesty and Copyright Policy](#)

[Cancellations, Incomplete and No Show Policy](#)

[Accommodation Policy](#)