

TEACHING & ASSESSING CRITICAL THINKING (TACT)

Critical thinking is an essential skill in medicine. Understanding how we think and reason in clinical settings may decrease the frequency of medical errors and improve patient outcomes. To help our learners develop skills in critical thinking we must first be aware of our own thought processes and the systematic errors that can occur in clinical reasoning. The Dalhousie Critical Thinking Program and Faculty Development are offering a two-part program for clinical faculty on Teaching and Assessing Critical Thinking (TACT). **TACT 1** provides an introduction to how physicians think, the cognitive biases that lead to errors in clinical reasoning, and how we can compensate for these biases. **TACT 2** focuses on skills for teaching critical thinking to medical students and residents, and offers strategies for assessment. Note: TACT 1 is a pre-requisite to TACT 2.

Description: Your lead instructor for this course is Dr. Pat Croskerry, Emergency Medicine Physician and internationally-recognized expert in the area of critical thinking in medicine. The program is delivered through a combination of independent study activities, on-line discussions, and digital webinar meetings using Adobe Connect. Materials are delivered via Brightspace, accessible by Dalhousie NetID (guest IDs provided to non-Dalhousie participants). **Participation in the two live webinar sessions is strongly encouraged.** The remainder of the course takes place according to your own schedule, with a minimum number of on-line discussion posts required for each Unit. Participants are expected to commit approximately **20 hours** to complete each course. Successful completion requires **active** participation in on-line discussion groups, reading and viewing posted materials, and working through on-line modules and self-tests.

Registration fee: \$100 Cdn. per course for Dalhousie University faculty and \$600 Cdn. for those outside of Dalhousie. **Registration is limited.**

Accreditation: This one-credit-per-hour Group Learning program meets the certification criteria of the College of Family Physicians of Canada and has been certified by the Continuing Professional Development Office of Dalhousie University for up to **20.0** Mainpro+ credits.

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Dalhousie University. You may claim a maximum of **20.0** hours (credits are automatically calculated).

This activity is an Accredited Self-Assessment Program (Section 3) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Dalhousie University. You may claim a maximum of **20.0** hours (credits are automatically calculated). Educationally cosponsored by Dalhousie University Continuing Professional Development.

Next Dates | TACT 1: January 27 – April 13, 2020

(webinar dates: 7-8 pm Jan 27th and April 13th)

For more information, email facdev@dal.ca, or visit our [website](#)

[Register Here](#)

TACT 1



Objectives:

By the end of this program, participating faculty will be able to:

1. Describe how physicians make decisions, including the dual process approach to decision making and the influence of bias.
2. Identify the role played by specific cognitive and affective biases in clinical decision making, and apply cognitive de-biasing strategies to case examples.
3. Reflect on their own critical thinking processes and develop a plan for assessing, monitoring, and developing their critical thinking skills in their clinical work.

Units	Format	Objectives
1 Program Orientation: Introduction to Critical Thinking	Webinar – interactive with instructors	<ul style="list-style-type: none"> • Define critical thinking in medicine. • Identify situations in their clinical practice where critical thinking could have a positive effect on clinical decision-making. • Reflect on how they teach or model critical thinking in the educational context.
2 – 4 How Physicians Make Decisions 1	Online modules 2 - 4	<ul style="list-style-type: none"> • Describe the dual process approach to decision making and the influence of bias.
5 – 7 Cognitive and Affective Biases	Online modules 5 - 7	<ul style="list-style-type: none"> • Discuss the role played by cognitive and affective biases in clinical decision making.
8 Midpoint review (date tbd)	Optional Webinar – interactive with instructors	<ul style="list-style-type: none"> • Refine knowledge of topics and principles introduced earlier through reflection and live interactive discussion
9 – 11 Cognitive Debiasing Strategies	Online modules 9 - 11	<ul style="list-style-type: none"> • Describe the general approach to debiasing and its relevance to clinical practice.
12 Wrap-up Session	Webinar – interactive with instructors	<ul style="list-style-type: none"> • Consolidate knowledge and develop strategies for incorporating critical thinking into clinical practice.

Contributors:

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