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# GEORGIAN TRIANGLE LIFELONG LEARNING INSTITUTE

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## 2014-2015 Lectures



*for people who love to learn*

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### PERSPECTIVES, 2014

Sep 12, 19, 26, Oct 3

Course Fee\*: \$18\*\*\*

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**Sep 12: *Patterns of Change:  
The Arctic in the Modern Era***

This lecture focuses on the profound changes in natural history, social structure and geopolitical importance currently underway in the Arctic. What is happening there today will have significant impact on the national and global scene for years to come.

**Peter Middleton**, a retired Teacher, Principal, & Ecotourism leader, has taken over thirty trips to the Arctic. In 2011, he presented *Birds in Our Lives* to a rapt GTLLI audience.

**Sep 19: *A Brief Field Guide to your Gut***

This lecture is an overview of the micro-ecology of the human gut, emphasizing its importance to health. Factors that interfere with its delicate ecological balance are creating an epidemic of chronic disease leading to a new paradigm in restorative medicine, 'Microbial Ecosystem Therapeutics'.

**Emma Allen-Vercoe**, Ph.D. is Associate Professor in the Department of Molecular and Cellular Biology at the University of Guelph. She is a microbial ecologist who has developed the 'Robogut', an in vitro model of the gut.

**Sep 26: "*A Higher Form of Killing:*"  
*Poison Gas and Germ Warfare***

In this lecture military, scientific, psychological and ethical issues associated with the use of chemical and biological weapons (CBW) will be examined, with special emphasis on WWI, WWII and the ensuing Cold War. More current CBW threats on the part of major military powers, rogue states and terrorist organizations will also be addressed.

**Donald Avery** is Professor Emeritus, Department of History, Western University. His most recent book is *Pathogens for War: Biological Warfare, Canadian Life Scientists and North American Biodefence* (University of Toronto Press, 2013).

**Oct 3: *Georgian Bay Rocks***

This lecture is a geologic journey through the changing environments of Georgian Bay, from one billion years ago (the Granville Orogeny) to 400 million years ago (shallow tropical seas) to more recent ice ages, concluding with a brief review of the last 10,000 years in lake history.

**Nick Eyles**, Geology Professor at the University of Toronto was awarded the McNeil Medal by the Royal Society of Canada in 2013 for his work promoting science. In 2007, he co-authored *Canada Rocks* with Andrew Miall, who lectured to GTLLI in 2013 on *Geological Issues Affecting Canada*.

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### FALL COURSE, 2014

Oct 17, 24, 31, Nov 7, 14, 21

Course Fee\*: \$36

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***Making Sense of the  
Global Financial Crisis***  
**Malcolm Campbell-Verduyn**

What is the global financial crisis? How are markets, governments, and the everyday lives of people around the world affected by this crisis? How are companies, public institutions, and citizens responding? This course considers the various cultural, economic, political, and social dynamics surrounding what has been the most severe financial crisis since the Great Depression. Topics to be addressed include: the history of finance, its governance and financial crises; the origins and causes of the current crisis; the repercussions and responses to the crisis in Canada, Europe, the United States, and globally; accountability for the crisis and future prospects for governing global finance.

**Oct 17: *Introducing the Global Finance Crisis***

What is finance? How is it connected to the 'real' economy? How did it become global? How is global finance governed? Which important processes and events preceded the most recent crisis?

**Oct 24: *The Crisis and its Aftermath in the U.S.A.***

Why did the recent financial crisis originate in the U.S.A.? What were the American responses to it? What have been its repercussions in the U.S.?

**Oct 31: *Continuing Crisis in Europe***

Why and in what ways has Europe been affected by the crisis? What have been European responses? What has been the role of European integration? Why has the crisis been so persistent in Europe?

**Nov 7: *The Crisis and its Aftermath in Canada***

How has the financial crisis affected Canada? How has the Canadian government responded? Has Canada been more successful than others? Is the Canadian model worth emulating?

**Guest Lecturer: Ian Roberge** is an Associate Professor and Chair of Department of Political Science at Glendon College, York University, Toronto.

**Nov 14: *Global Responses to Financial Crisis***

What have been the global repercussions of the financial crisis? What have been the global responses to it? Have there been shifts in the geo-political and economic order as a result of this crisis?

**Guest Lecturer: Tony Porter** is, Professor of Political Science and Associate Dean, Graduate Studies and Research, Faculty of Social Sciences, at McMaster University in Hamilton.

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## FALL COURSE, 2014, continued

Oct 17, 24, 31, Nov 7, 14, 21

Course Fee\*: \$36

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### *The Global Financial Crisis, continued*

#### Nov 21: *Accountability and the Future of Finance*

What changes and improvements have resulted from the crisis? Has there been accountability for those responsible for contributing to it? What can be done to end the current crisis and prevent future financial crises?

**Malcolm Campbell-Verduyn**, the course developer and the lecturer for four of the six lectures, is a PhD Candidate in International Relations in the Department of Political Science at McMaster University. He holds an M.A. (2008) in Political Science from Leiden University, The Netherlands. Prior to beginning his PhD in 2011, Malcolm held various positions at the Canadian Department of Foreign Affairs and International Trade in The Hague, The Netherlands. He most recently published in the *Journal of European Public Policy* and contributed to *Transnational Financial Regulation After the Crisis*, a volume edited by Tony Porter analyzing financial governance since 2007.

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## WINTER COURSE, 2015

Jan 9, 16, 23, 30, Feb 6, 13

Course Fee\*: \$36

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### *Theatre Then, and Again, and Now*

**Ted McGee**

Examining specific plays from ancient Greece and Shakespeare's England to modern Canada and contemporary Hollywood, this series explores the nature and social function of drama, its creation, its historical conditions, and its power in performance on stage and screen.

#### Jan 9: *Tragedy: Aristotle reads Oedipus*

For his theory of tragedy, Aristotle relied on plays, including *Oedipus Rex*, that Sophocles wrote for the great theatre festivals of ancient Greece. What Aristotle saw in Sophocles and what he failed to see, led to his influential essay on tragedy and invites us to ask: what does tragedy mean for us, here and now?

#### Jan 16: *Collective Creation: Medieval Street Theatre, Community, and Ideology*

English theatre of the Middle Ages was street theatre, produced by civic guilds, performed on pageant wagons by local citizens, and designed to communicate clearly an ideological message for the entire community. What was—what is—the function of theatre and other arts in educating individuals and building society?

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## WINTER COURSE, 2015, continued

Jan 9, 16, 23, 30, Feb 6, 13

Course Fee\*: \$36

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### *Theatre Then, and Again, and Now, continued*

#### Jan 23: *Enter the Professionals: Shakespeare and Company*

In early modern England, with playwrights like Shakespeare and Marlowe, purpose-built theatres, professional actors, nation-wide touring, and noble patrons, theatre came into its own—and persists, as we shall see, in plays that will be part of the Stratford Festival's 2015\*\* season (to be announced in the summer of 2014).

#### Jan 30 *Tragedy (again) and the Common 'Man'*

In 1949 Arthur Miller re-wrote Aristotle's theory of tragedy for the modern age. He put that theory to the test for the American scene with *Death of a Salesman*. Bertolt Brecht did the same for Europe with his writing—and, after Hiroshima, re-writing—of the life of the Renaissance scientist, *Galileo*.

#### Feb 6: *Collective Creation (again) and the Canadian Farm*

Director Paul Thompson convinced a group of actors to live in a farming community in southwestern Ontario, learn about people's lives there, and build from that a theatrical "picture of a complex and living community." Together they discovered *The Farm Show* and provided the basis for Michael Healey's re-writing of that experience in *The Drawer Boy*.

#### Feb 13: *Shakespeare (again) and Contemporary Film*

Adapting old plays for the movies involves translating material from a verbal medium to a visual one and requires sensitive reading not only of the old plays, but also of contemporary audiences. We shall look at recent films about Shakespeare, such as *Shakespeare in Love*, and films of plays performed at Stratford in 2015 to explore how the shows imagine us, their audience.

**Ted McGee** is now Professor Emeritus in the English Department of the University of Waterloo, where he regularly taught courses on literary rebels, textual criticism, and Shakespeare, and received the University's Distinguished Teacher Award in 2011. His on-going research on theatre history requires regular trips to Wiltshire, Yorkshire, and the Stratford Festival Archives. He was a member of the Board of Governors of the Stratford Festival from 1992 to 1999 and continues to serve on its Education and Archives Committee.

**\*\*NOTE:** Ted McGee is planning to facilitate a field trip to the Stratford Festival to view a Shakespearian play, including a Q&A with the actors after the play, for the late spring of 2015. More information will be available to course registrants both at the lectures and by email.

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## SPRING COURSE, 2015

Apr 10, 17, 24, May 1, 8, 22

Course Fee\*: \$36

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### *The Great Ideas of Science*

#### Apr 10: *Astronomy: The Expanding Universe*

This lecture describes Leavitt's discovery that variable stars can be used to measure distances in astronomy; how Hubble established that *spiral nebulae* - galaxies similar to our Milky Way - are participating in universal expansion. It concludes with *Dark Energy* and our *Accelerating Universe*.

#### Apr 17: *Geology: Moving Continents*

This lecture will describe the dynamic structure of the Earth, present evidence for Continental Drift, explain two recent earthquakes (Turkey and Japan), and conclude with a vision of past and future Supercontinents. Global Plate Tectonic Theory that brings together these concepts is attributed in part to Alfred Wegener but mostly to Canada's Tuzo Wilson.

#### Apr 24: *Biology: Charles Darwin and The Galapagos Revelation*

Darwin's *Theory of Evolution* stated that differences within a species could be converted, over time, into differences between species by a process he called *Natural Selection*. This lecture provides evidence from evolutionary biologists to support this theory, and concludes with Cunningham's thoughts on the recent discovery of the fossils Lucy and Ardi.

#### May 1: *Genetics: Gregor Mendel, Francis Crick, James Watson and Craig Venter*

This lecture starts with Mendel's experiments of self-cross pollination of pea plants and his interpretation of the results leading to our understanding of heredity. It continues with the double helix structure of DNA, and the role played by Watson, Crick and Franklin, and concludes with modern genetics and Venter's decoding of the Human Genome.

#### May 8: *The Search for the GOD Particle*

This lecture will trace humanity's search to understand the structure of matter and physical reality, from the early Greek philosophers to the major discovery of the Higgs Boson particle using high-energy proton collisions in the Hadron Collider. This latter discovery was huge. We'll find out why.

#### May 22: *Einstein's Universe*

This lecture explores Einstein the person, describes his creative and insightful physics that has changed science forever, and illuminates his dedicated humanitarianism.

**Doug Cunningham** is a retired science and outdoor education teacher and has been an amateur astronomer for over 46 years.. During his 33 year career as a science educator he earned many awards for his innovative teaching, including The Prime Minister's Award, the National Youth Science Foundation Award, and the OSSTF's Excellence in Education Award.

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## GTLLI COURSE REGISTRATION Dates & Information 2014-15

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All Registration is **ONLINE** and will require registrants to set up a **Username / Password**.

### Registration starts:

- **Mon. May 5 at 10 a.m.** for **current members**
- **Mon. May 12** for the **general public**

### Two ways to register ONLINE:

- **Without assistance** at [www.GTLLI.ca](http://www.GTLLI.ca) (email address and credit card required)
- **With assistance.** Volunteer assistants will be available in the IT room on the 2<sup>nd</sup> floor of the Collingwood Public Library (55 Ste. Marie St.) **10:30 a.m. to 1 p.m. on Mon. May 5.**
- **Registration questions?** call **705-300-3251** and leave name, message and phone #.

### Course Fees\*

Perspectives (4 lectures)	<b>\$18***</b>
Fall Course (6 lectures)	<b>\$36</b>
Winter Course (6 lectures)	<b>\$36</b>
Spring Course (6 lectures)	<b>\$36</b>

\*Course fees include a membership fee component of \$1 per lecture.

\* All fees include applicable HST

(HST Registration Number 80520 8139 RT0001)

\*\*\* includes a rebate for a cancelled lecture in 2013.

### ONLINE Payment using:

- any major **credit card** OR
- your own **PayPal account**.
- Confirmation and receipt sent via email

### Admit-to-lecture Ticket Distribution:

- Your personalized tickets will be available for pick-up at the first lecture you attend.

### Please Note:

- Registrations will be accepted in the order they are received .
- Space is limited. Please register promptly.
- Individual lecture tickets are not sold.
- Lecture cancellations will be communicated by email, telephone, the web site or local radio.
- Course material is subject to change.

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GTLLI is a non-profit organization sustained by "people who love to learn"; and who believe that learning never stops. It offers a series of university-level lectures and seminars given by professors and experts drawn from various fields of expertise. These thought-provoking lectures on current, thematic and historic topics are designed to expand members' intellectual horizons, stimulate the mind and pique curiosity.

GTLLI was founded in 1995 by a small group of individuals whose vision we honour by presenting an annual **Founders' Lecture and Reception**, featuring speakers of national and international renown.

GTLLI is run by volunteers and funded by annual membership and registration fees. There is no age limit to curiosity; and everyone is welcome!

### FOR INFORMATION.....

Visit Our Website  
[www.GTLLI.ca](http://www.GTLLI.ca)

Email: [info@GTLLI.ca](mailto:info@GTLLI.ca)

GTLLI Information Line  
**705-300-3251**

Mailing address:  
**GTLLI. P.O. Box 24**  
**Collingwood, ON L9Y 3Z4**

**All lectures are held at**  
**New Life Church**  
**28 Tracey Lane, Collingwood**  
**East off Hurontario, north of Poplar SR**  
**Friday mornings, 10 a.m. – 12 noon**

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