

# **The Flip (Blended) Classroom for Science & Religion: Some Preliminary Observations**

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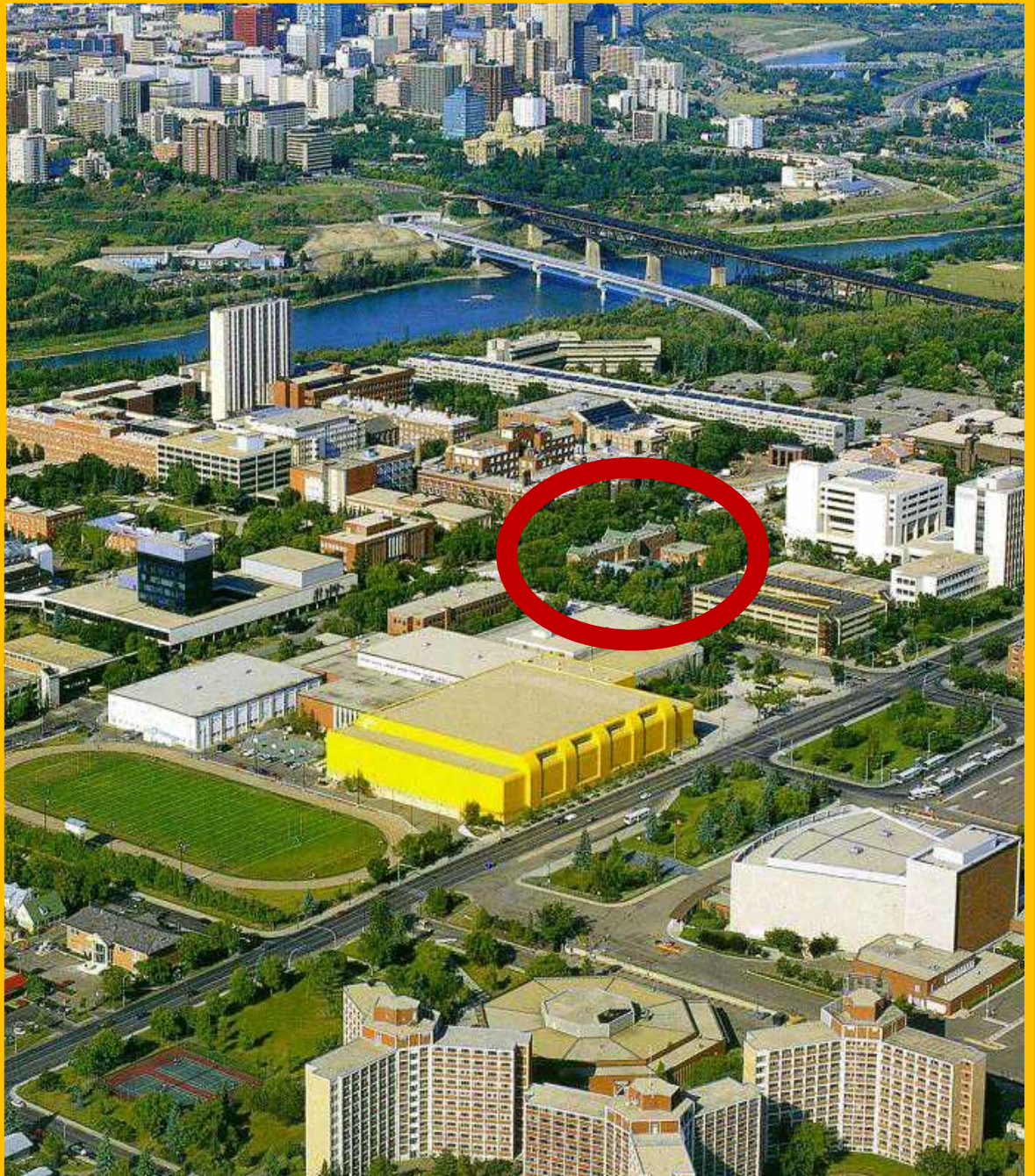
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# The History











# What I Wish I Would Have Known Coming to University as a Christian



# The Principles



# **The Principles**

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- **Computer Generation**
- **Different Learning Styles**
- **Different Learning Speeds**
- **Improved Lecture Quality**



# **The Materials**



## ST. JOSEPH'S COLLEGE

[Class Audio-Slides](#)[Class Notes](#)[Class Handouts](#)[Quizzes & Exams](#)**CHRTC 350: Science & Religion****CLASS Homepage****[www.ualberta.ca/~dlamoure/350homepage.html](http://www.ualberta.ca/~dlamoure/350homepage.html)**



# Ispring Program

as141

Thumbnails

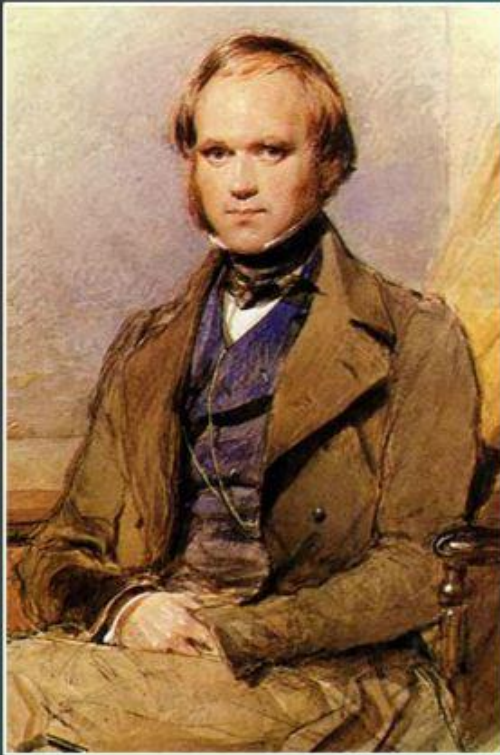
- 1. Evolution & Darwin's Religious Beliefs  
Notes 141  
00:04
- 2. Chronology of Darwin's Life  
1831-1836  
Notes 141  
00:15
- 3. Chronology of Darwin's Life  
1837-1838  
1st Period of Religious Reflection  
Notes 141  
00:31
- 4. Chronology of Darwin's Life  
1838-1839  
Notes 141  
00:25
- 5. Chronology of Darwin's Life  
1839-1840  
Notes 141  
00:27

Chronology of Darwin's Life

**1837-1838**

**1st Period of Religious Reflection**

Notes 141



Late 1830s

3 / 13 00:24 / 00:31

The image shows a video player interface for a presentation titled 'Chronology of Darwin's Life'. The main video area displays a portrait of Charles Darwin and the text 'Chronology of Darwin's Life 1837-1838 1st Period of Religious Reflection'. A sidebar on the left shows a list of five video thumbnails, each with a title, duration, and a 'Notes 141' label. A large red arrow points from the top-left thumbnail to the bottom-right thumbnail. The video player controls at the bottom show the current video is 3 of 13, with a progress bar at 00:24 / 00:31.

# Class Notes, Class Handouts & Class Audio-Slides

## INTRODUCTION

Introduction Episode 1

### I. WARFARE MODEL OF SCIENCE VS. RELIGION

Slide 2

#### BEGINS:

S3

In the late 19<sup>th</sup> century as a model of history

Example:

**Thomas Henry Huxley**

S4

AKA “Darwin’s Bulldog” in a review of . . .

1. “ “Extinguished theologians lie . . . .

#### PRODUCES:

S5 & Handouts 1

*Science vs. Religion Dichotomy*

**Dichotomy** Greek: *dicha* ‘in two’ *temnō* ‘to cut’

DEF: division of an issue into only TWO simple positions

. . .

# **Time Management**

**23 hours  
of Audio-Slide Lectures**

**16 hours  
in the Classroom**



# The Problem



# Quizette 6

1. Who wrote *On the Revolutions of the Heavenly Spheres* (1543)?

2. Galileo believed science was a                      from God.

3. The named chapter in the Bible that describes the sun stopping in the sky is:



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# **The Class Structure**

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# The Class Structure

- 3 minute 3 question Quizzette
- 25 minute Lecture Summary
- 20 minute Class Discussions
- Whatever Time
- Supplemental Lectures

# 1. DIVINE ACTION

NO NAMES PLEASE

Yes    No    Uncertain

## A. PERSONAL

\_\_\_ Interventionism (Dramatic)  
eg, God raising a dead person to life

\_\_\_ Providentialism (Subtle)  
eg, God working through “nudges”  
& “co-incidences”

## B. COSMOLOGICAL

\_\_\_ Interventionism in Origins (Past)  
eg, God creating in 6 literal days

\_\_\_ Interventionism in Operations (Present)  
eg, God causing retrograde planetary  
motion

\_\_\_ Providentialism in Origins (Past)  
eg, God creating thru evolution  
ordained & sustained natural processes

\_\_\_ Providentialism in Operations (Present)  
eg, God upholding the solar system  
ordained & sustained natural processes

## COMMENTS ON THE BACK

For those who have experienced Divine action:

What is your most dramatic experience?

☐ **I DO NOT** want my comments used publicly



# The Experiment



# The Experiment

- 0.3 GPA higher than lecture class
- Higher level of discourse in class discussions
- Highest instructor evaluations
- Best teaching experience ever for the instructor





# The Future



# **The Future**

- **Improved Parents & Pastors Night**
- **Improved Online Course Experience**
- **Weekend Flip Classes**
- **Flip Classes for Evangelicals at Other Colleges/Universities**

**Cross-Cultural Experience**



# What I Wish I Would Have Known Coming to University as a Christian