



**Course Number & Title** – HUM102 Human Thought in Math & Science

**Department** – AUD – Arts & Science

**Contacting Your Professor** – To contact your professor, select “Inbox” from the global navigation bar on the left-hand side of your screen. After selecting “Inbox,” click the pencil in the top right of your screen to begin your message. Type in your professor’s name and your message before sending.

**Delivery** – Online

**Course Description** – For His own glory, God created the natural universe and placed His image bearers over it as rulers and stewards. Human beings explore, navigate, examine and analyze the natural world in imitation of their Creator even if they do not acknowledge Him. This course will explore the academic disciplines which people have developed to understand and engage with the natural universe: mathematics, science and the social sciences. It will also study the method employed by each discipline so that students can better understand how it helps us make sense of the universe as the arena of God’s self-revelation, providence, and redemptive work. (3 credits)

**Course Prerequisite(s)** – None

**Student Learning Outcomes** – As a result of this course the student will do the following:

1. Define the academic disciplines associated with mathematics, sciences and social sciences as branches of the Liberal Arts.
2. Examine the methods that mathematics, sciences and social sciences employ to explore and explain the universe.
3. Evaluate the claims and methods of mathematics, sciences and social sciences as means by which humans can better know their creator, love their neighbor and steward creation in service to Him.
4. Assess the recent history of mathematics, sciences and social sciences.

### **Course Requirements**

1. *Textbook(s)* – Book information and a price comparison tool can be found at [lbcbookstore.com](http://lbcbookstore.com).
  - a. Dockery, David. *Faith and Learning: A Handbook for Christian Higher Education*. B&H Academic, 2012. (This book is available for free in the library’s eBook collection, but you may purchase a physical copy from the bookstore or elsewhere if you prefer.)
  - b. Pearcey, Nancy R., and Charles B. Thaxton. *The Soul of Science: Christian Faith and Natural Philosophy*. Crossway, 1994.
2. *Materials*
  - a. List any relevant course materials here.

### 3. *Assignments*

- a. **Discussion Forums:** Discussions will take place throughout the course, typically in response to a reading, video, or set of questions provided by the instructor. These discussions are meant to build and enhance the learning community as we interact with each other as a class. As this is the case, discussion posts will not be accepted late. Further instructions will be given in the course. (SLOs 1–4)
- b. **Christian Faith & the Scientific Disciplines Essay:** In Week 2, you will write a 3-page essay explaining how your understanding of God and the Bible informs your approach to the sciences. This essay will ask you to synthesize and apply major concepts and topics from the course so that you can develop a biblical worldview of the liberal arts. In subsequent weeks, you will revise each section of this essay as your knowledge of the sciences deepens and expands. Further instructions will be provided in the course. (SLOs 1–4)
- c. **Journals & Reading Responses:** You will respond to your textbook readings in a variety of ways throughout the course. These responses require depth of thought and reflection that indicate not only a thorough understanding of the text, but critical reflection as well. In addition, at the end of each week, you will write brief journal entries to help you reflect on your relationship to the humanities and your growing knowledge of each discipline studied throughout the course. Further instructions will be provided in the course. (SLOs 1–4)
- d. **Theory & Proposal Projects:** In Weeks 3–5, you will complete short “Theory Projects” that will require you to apply principles from the natural sciences, mathematics, and the social sciences to theoretical scenarios. At the end of this course, you will also complete a proposal project, which will require you to look at a major event from human history and analyze it through the same 3 frameworks. The purpose of this project is to show how each framework presents a different valuable approach to interpreting human events, as well as its own unique set of limitations. Further instructions will be provided in the course. (SLOs 1–4)

### 4. *Exams and Quizzes*

- a. **Lecture Quizzes:** Throughout the course, you will watch various videos and lectures that explore key themes and ideas regarding the roles of the natural sciences, mathematics, and the social sciences in higher education. Each week, after you watch the assigned videos, you will take a lecture quiz to assess your comprehension of key concepts and understanding of course content. Each quiz will contain a variety of multiple-choice and true/false questions. Further instructions will be given in the course. (SLOs 1–2)

### 5. *Extra Credit*

- a. None

## **Course Procedures**

1. *Course Practices* – This online course uses readings, discussions, and other resources and activities to aid and measure the learning of its objectives. Work through the weeks in sequential order, completing the learning explorations and assignments. Please take these opportunities to interact with the instructor and fellow students about the course content, the learning experience, and the relationships between the material and one’s own experience.

2. *Participation Policy* – Attendance and participation for this course take the form of completing of all readings and assignments in a timely manner, contributing to discussions with charity, and actively collaborating with fellow students when required.
3. *Grading Policy, Rating Scale, Assignment Weights, etc.* –

<i>Excellent</i>	A	=	94–100		B-	=	80–83		D+	=	67–69
	A-	=	90–93		C+	=	77–79	<i>Passing</i>	D	=	64–66
	B+	=	87–89	<i>Average</i>	C	=	74–76		D-	=	60–53
<i>Good</i>	B	=	84–86		C-	=	70–73	<i>Failure</i>	F	=	0–59

The weight of each assignment in relation to your final grade is allocated in this way:

Discussion Forums	20%
Christian Faith & the Scientific Disciplines Essay	20%
Journals & Reading Responses	20%
Theory & Proposal Projects	25%
Lecture Quizzes	15%

4. *Late Assignment Policy* – All assignments must be submitted by the due date. If assignments are submitted late, the possible points for the assignment will be reduced by 10% for each day that the assignment is late, up to one week.
5. *Make-up Policy* – All assignments are expected to be handed in on time, and grades will be determined by the *Late Assignment Policy*. Any exceptions are handled on a case-by-case basis at the discretion of the professor.
6. *Ally Center Statement* – The Ally Center is LBC | Capital’s hub for academic services, resources, and accessibility. The academic services include disability services, writing services, and academic mentoring services and are available at no additional cost. To schedule an online or on-campus appointment, or for information regarding resources, locations, and hours of operation, visit [lbc.edu/ally](http://lbc.edu/ally).
  - a. *Disability Services* – LBC | Capital is committed to creating an educational environment that is inclusive and accessible, in compliance with the guidelines of the ADA and Section 504 of the Rehabilitation Act. Students choosing to disclose a disability must contact the Disability Services Office to discuss reasonable accommodations.

After speaking with the student and reviewing documentation, reasonable accommodations will be determined. It is in the student’s best interest to contact the Disability Services Office as early as possible prior to each new term since professors cannot provide accommodations without verification from the DSO and accommodations cannot be applied retroactively. More information and disclosure forms are available at [lbc.edu/ally](http://lbc.edu/ally).

Please note: Students should register with the Disability Services Office each term for which accommodations are desired; accommodations from the prior semester are not automatically carried over.

The Disability Services Office can be reached at 717.560.8200 ext. 5383 or [DSO@lbc.edu](mailto:DSO@lbc.edu). The confidential fax line is 717.560.8261.

- b. *Writing Services* – The Writing Services is available to help any LBC | Capital student with writing assignments from any course. Students can schedule a one-on-one appointment

with professional personnel or peer mentors at any point in the writing process. Writing Services include: assistance in brainstorming and outlining, development of ideas, critique of partial or full drafts, and/or review of formatting and citations. Appointments are available both on campus and online. A variety of writing resources are available at [lbc.edu/ally](http://lbc.edu/ally).

Writing Services can be reached at 717.560.8200 ext. 5389 or by email at [WritingCenter@lbc.edu](mailto:WritingCenter@lbc.edu).

- c. *Academic Mentoring Services* – Academic Mentoring Services (AMS) provides academic services at no cost to any current undergraduate LBC student. Professional personnel and peer mentors come alongside students to assist with major projects, time management, review of course content, test-taking skills, and study strategies. A variety of academic resources are available at [lbc.edu/ally](http://lbc.edu/ally).

Students may make academic mentoring appointments by phone at 717.560.8200 ext. 5389 or by email at [AMS@lbc.edu](mailto:AMS@lbc.edu).

- d. *Contact Information*

Location	Email	Phone
Lancaster	<a href="mailto:AllyCenter@lbc.edu">AllyCenter@lbc.edu</a>	717.569.7071 ext. 5389
Philadelphia	<a href="mailto:AllyPhilly@lbc.edu">AllyPhilly@lbc.edu</a>	215.329.5400 ext. 5753
Washington D.C.	<a href="mailto:AllyDC@lbc.edu">AllyDC@lbc.edu</a>	301.552.1400 ext. 5806
Online	<a href="mailto:AllyCenter@lbc.edu">AllyCenter@lbc.edu</a>	717.569.7071 ext. 5389

- 7. *Academic Integrity Statement* – As followers of Christ, we need to be fully committed to honesty and truthfulness in all aspects of our lives, including in our academic lives. Therefore, academic dishonesty will not be tolerated in any way. Students are responsible to familiarize themselves with LBC’s Academic Integrity Policy and adhere to it. It is located in the Student Handbook.
- 8. *Statement on Self-Care* – College in general is a rich and fulfilling experience, full of opportunities for students. Along with this abundance of opportunities comes the challenge of maintaining a healthy life balance characterized by productive tension, a sensible schedule, and time for rest. Productive tension, at times, can be compounded by unexpected life challenges, causing unproductive levels of stress. This can lead to feelings of sadness, increased anxiety, and an overall lack of focus. For this reason, LBC | Capital strongly encourages students to care for themselves physically, emotionally, and spiritually during each academic term and throughout their journeys. Everyone benefits by support in times of struggle so students are also encouraged to seek help promptly by talking with professors, College staff or the Counseling & Career Center (C3) about life challenges as related to academic performance and to seek advice regarding available supports inside and outside of the LBC | Capital community.

**Course Resources**

- 1. *Technology Difficulties* – The Help Desk is available to help you with computer and technology problems and questions. Call 717.560.8200 ext. 4357 (HELP), email [help@lbc.edu](mailto:help@lbc.edu), or visit [lbc.edu/helpdesk](http://lbc.edu/helpdesk).
- 2. *Library Resources* – The library subscribes to numerous databases to provide access to scholarly and peer-reviewed journal articles, eBooks, newspapers, magazines, and much more. Online

resources are accessible anywhere on campus or remotely 24/7 using your LBC | Capital username and password. To access these resources, go to [lbc.edu/library](http://lbc.edu/library). The library website also includes links for students to request research assistance:

- CHAT NOW is for immediate assistance – usually from a non-LBC | Capital librarian.
- ASK US is for information from an LBC librarian within 24 hours (Monday–Friday).
- SCHEDULE A MEETING is for arranging an appointment with a librarian, either in-person or online.

3. *Program/Content Coordinator* – Arts & Sciences; [artsci@lbc.edu](mailto:artsci@lbc.edu)