



THE NATURE OF TIME

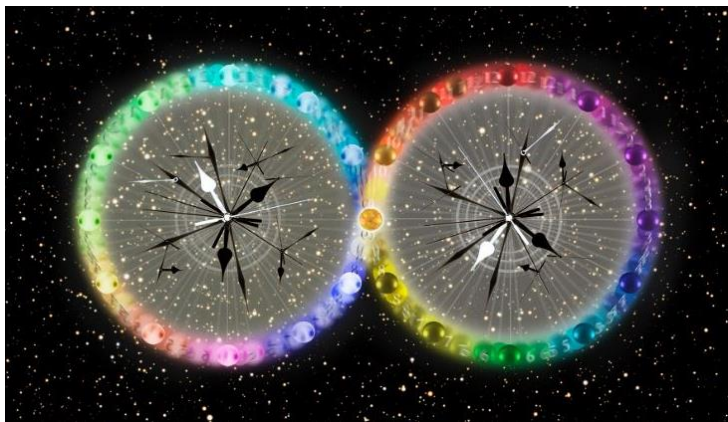
Presented by: Jim Hemmer

One Wednesday: October 18, 2023
9:30 a.m. – 12 noon

Bethany Congregational Church
556 N. Hope Avenue, Santa Barbara

805-967-6030
vistas@vistaslifelonglearning.org

We conventionally think of time as something simple and fundamental that flows uniformly, independently from everything else, from the past to the future, measured by clocks and watches. In the course of time the events of the universe succeed each other in an orderly way: pasts, presents, futures. The past is fixed, the future open. And yet all of this is disputed by some scientists. Additionally, modern science has shown us that time is not absolute. For example, time passes faster for people who live in the mountains than for those who live at sea level. We will look at this and other ways that time is different for different people.



Join us as we survey what we actually know about time, focusing on the roles of philosophy and on the science of physics in determining the nature of time. After a brief review of these subjects we will look in detail at what Aristotle, Isaac Newton, and Einstein thought about the nature of time.

And finally, we will ask if we need to consider whether the perspective of quantum mechanics is relevant to this inquiry.

PLEASE REVIEW THE STATEMENT ON THE OTHER SIDE OF THIS FLYER REGARDING VACCINATION REQUIREMENTS.

Preferred registration deadline*: October 11, 2023

*Early enrollment helps us with our planning; also, those who register by the preferred deadline will be given priority in case of over-enrollment.

Enrollment form: The Nature of Time

Wednesday, October 18, 2023

VISTAS members \$20; non-members \$30

➤ **EITHER pay online** on our website by secure credit card through PayPal:
<https://www.vistaslifelonglearning.org/current-courses>

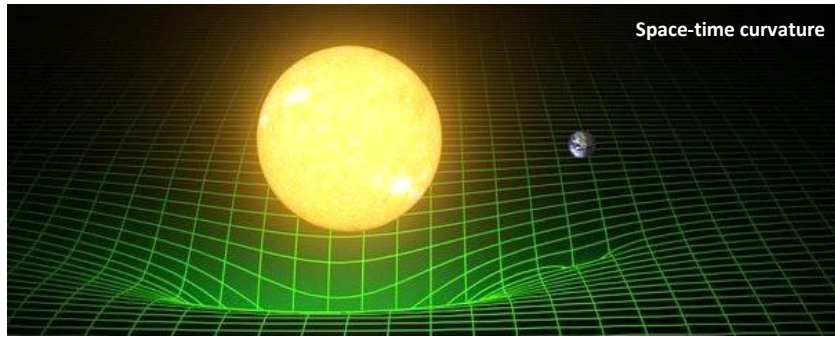
➤ **OR mail this form** and your check to: VISTAS Lifelong Learning, Inc.
P.O. Box 23228, Santa Barbara CA 93121

Number of persons _____ \$ _____ Check # _____

Name(s): _____

Phone: _____ Email: _____

It is understood that attendance is limited to those who are fully vaccinated against Covid-19.



Jim Hemmer holds an AB degree from Marquette and a JD degree from Harvard Law School. He spent his entire career with the Chicago firm Bell Boyd & Lloyd, of which he was Managing Partner and CEO at the time of his retirement. His specialty was corporate and securities law, and he also taught legal education programs for the Illinois State Bar Association. More recently, he has been a prolific and popular VISTAS presenter. Jim and his wife, Francine, have lived in Santa Barbara since 2017.

IMPORTANT COVID-19 POLICY

The health and safety of our attendees and their families are of utmost importance to us. **Accordingly, we are limiting attendance to those who are fully vaccinated.** Proof of vaccinations and boosters (digital Covid-19 Vaccination Card or a photo of your printed card) must be sent to our business manager via email (vistas@vistaslifelonglearning.org) or text (805-967-6030). Participants may also be asked to show vaccination status on the first day of each course in case our records are incomplete. This needs to be done only once—your proof of vaccination will remain valid for all VISTAS events. We appreciate your understanding and cooperation.

VISTAS Fall 2023 Calendar

SUBJECT TO CHANGE; for up-to-date information, visit our website (VistasLifelongLearning.org) frequently!

Course / Event	Date(s)	Time	Venue
Annual Fall Picnic	Saturday, September 9	12:30 pm	Tucker's Grove
Fiction Book Club / Sharon Alvarado	3rd Thursday monthly	10:00 am	Bethany Congreg. Church
Monday Nonfiction Book Club / Dawn McGrew	4th Monday monthly	1:30 pm	Via Zoom
Flight—Ups and Downs of Aviation / Bruce Phillips	Mon. Sep. 11 and 18	1:00 pm	Bethany Congreg. Church
Impact of Railroads on Am. Music / Norm Cohen	Wed. Sep. 13, 20, 27, Oct. 4	9:30 am	Bethany Congreg. Church
Legendary Foods of France and Italy / Larry Canepa	Fri. Sep. 15 and 22	10:00 am	Via Zoom
Women behind Walls / Bee Bloeser	Thur. Sep. 28	9:30 am	Bethany Congreg. Church
Rethinking Obesity / Dr. Fima Lifshitz	Tues. Oct. 3	9:30 am	Valle Verde
Money in America's Political System / Ted Anagnoson	Mon. Oct. 16, 23, 30	9:30 am	Bethany Congreg. Church
The Nature of Time / Jim Hemmer	Wed. Oct. 18	9:30 am	Bethany Congreg. Church
Pirates! / Peter Beuret	Thur. Oct. 26	9:30 am	Bethany Congreg. Church
History and Development of the Bible / Norm Cohen	Fri. Oct. 27, Nov. 3, 10, 17	9:30 am	Venue TBD
The US in the World: A Top-10 Summary / D. Stowell	Tues. Oct. 31	10:00 am	Via Zoom
Thirty-Six Years in the CIA / Heidi August	Mon. Nov. 6	9:30 am	Bethany Congreg. Church
<i>Sitting Bull: In His Own Words</i> / J. Ferry & G. DeSoto	Wed. Nov. 8	9:30 am	Valle Verde Theater
Church Music in the 16th Century / Henry Michaels	Mon. Nov. 13, 20, 27	10:00 am	Via Zoom
"The Opulent Summer" Mural / C. Garfinkle	Wed. Nov. 15	9:30 am	Bethany Congreg. Church
Combating Human Trafficking / Florrie Burke	Fri. Dec. 1	9:30 am	Bethany Congreg. Church
Women Architects of S.B. / Rose Thomas	Mon. Dec. 4, 11	1:00 pm	Bethany Congreg. Church
Science Behind the Botanic Garden / S. Windhager	Wed. Dec. 6	1:00 pm	Santa Barbara Botanic Garden