

CAMPUS *mundi*

128

Prague, capital city of the Czech Republic, is bisected by the Vltava River. Nicknamed “the City of a Hundred Spires,” it’s known for its Old Town Square, the heart of its historic core, with colorful baroque buildings, Gothic churches and a medieval Astronomical Clock.

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**AIU News + Essays + Education + Culture + Science + Technology
+ Art + Design + Body + Mind + Environment + Human Rights +
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choose
the contents
of this magazine
with you
in mind
-to inspire you
and make you
think

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your thoughts
with us!

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in touch

AIU in the top 10 most promising Economics Colleges in the United States in 2024



In the realm of Economics education in the USA, numerous institutions offer exceptional academic programs and opportunities for students seeking to delve into the complexities of Economic theory and practice. These institutions are renowned for their rigorous curricula and esteemed faculty members, providing students with a solid foundation in economics and preparing them for a wide range of career paths in both the public and private sectors.

The *Higher Education Review Magazine* highlights **Atlantic International University** Future Vision, “The knowledge, skills, and expertise acquired by students at AIU are invaluable assets. These capabilities empower them to enhance their lives, drive progress within their communities, and pursue their chosen endeavors unhindered. AIU holds a profound respect for individuals’ freedom to navigate their personal development journeys, recognizing the significance of choice in fostering growth.

And it continues, “The institution takes immense pride in the academic and professional

achievements of its students, as well as their contributions as global citizens. Consistently, **AIU** graduates garner recognition across various sectors worldwide, a testament to the institution’s quality and the caliber of its alumni.”

The magazine concludes, “every day, **AIU** strives to refine its role as a steward of global resources through an andragogic, inclusive, and innovative learning model. This

model empowers students to uncover their passions and purpose while actively addressing global challenges in a sustainable manner, all while upholding human rights. In this pursuit, **AIU** remains committed to enhancing its academic offerings, such as integrating tools like Artificial Intelligence, to equip students with the means to navigate an ever-evolving landscape effectively.



The *Higher Education Review Magazine* (highereducationreview.com) has recognized **Atlantic International University** as one of the 10 most promising Economics Colleges in the United States in 2024.

“For its exceptional academic expertise, capability to adapt to the evolution of educational field and transformational impact on students’ career.”, says the *Higher Education Magazine*.

Atlantic International University (AIU) is firmly grounded in Human Rights and actively contributes to the United Nations’ 17 Sustainable

Development Goals for 2030.

The university **AIU** is dedicated to the perpetual evolution of individuals through holistic, multidimensional self-development in the physical, quantum, and spiritual realms, incorporating multifunctionality, multiversity, and multi-projection. This approach fosters continuous self-knowledge based on self-reflection and self-projection, utilizing all available resources across various dimensions. Each educational journey at **AIU** is uniquely tailored to the individual’s distinct and irreplaceable nature.

Graduated with Honors

JUNE 2024.

This graduate student completed the majority of the requirements to obtain honors, which included a 4.0 GPA, published works, recommendation from his advisors, patent a product, etc.

Congratulations!



21ST INTERNATIONAL CONFERENCE ON Environmental, Cultural, Economic & Social Sustainability



Call for Papers

This Conference will be held 23-25 January 2025 at Florida International University, Miami, USA.

We invite proposals for paper presentations, workshops/ interactive sessions, posters/ exhibits, colloquia, focused discussions, innovation show-cases, virtual posters, or virtual lightning talks.

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“Sustainable Development for a Dynamic Planet: Lessons, Priorities, and Solutions”

Theme 1: Ecological Realities

Theme 2: Participatory Process

Theme 3: Economic, Social and Cultural Context

Theme 4: Education, Assessment and Policy

Become a Presenter:

1. Submit a proposal
2. Review timeline
3. Register

Early proposal deadline
23 June, 2024

Early registration deadline
23 July, 2024

Visit the website:
<https://onsustainability.com>

FIND MORE NEWS FROM AIU FAMILY

Latest News: <https://www.aiu.edu/aiu-news/>

Graduated with Distinction

JUNE 2024.

This graduate student completed their program with a high cumulative grade point average, which reflects the quality of performance within his respective major.

Congratulations!



Graduates of the month



Image: www.freepik.es

JUNE 2024

Jonathan Perry Kweku AinooE
BACHELOR OF BUSINESS ADMINISTRATION
Business Management
GHANA

Sylvia Adiki Akeeb
MASTER OF COMMUNICATIONS
Communications
GHANA

Jaime Alberto Galvez Lopez
BACHELOR OF SCIENCE
Telecommunications Engineering
GUATEMALA

Nityanand Sukhwa
CERTIFICATE OF MANAGEMENT
Security Management
GUYANA

Swapnil Krushna Shinde
DOCTOR OF SCIENCE
Information Technology
INDIA

Kaoré Bi Tra Didier
DOCTOR OF FINANCE
Finance
IVORY COAST

Shadavia Anniea Minnalli McCatty
MASTER OF SCIENCE
Forensic Psychology
JAMAICA

Domaine Deano Wilson
BACHELOR OF MANAGEMENT
Project Management
JAMAICA

Shannette Shann Graham
BACHELOR OF EDUCATION
Education
JAMAICA

Olivine N. Evans
DOCTOR OF EDUCATION
Educational Management and Leadership
JAMAICA

Isaac Pedro
BACHELOR OF SCIENCE
Computer Engineering
ANGOLA

Astrid Lopez Hernandez
BACHELOR OF HUMAN RESOURCES
Human Resources
ARUBA

Clarence Joseph
BACHELOR OF SCIENCE
Civil Engineering and Construction Mgmt.
BELIZE

Gortirbou Souleymane Ouedraogo
DOCTOR OF PROJECT MANAGEMENT
Project Management
BURKINA FASO

Samory Ankh Tchameni
BACHELOR OF EDUCATION
Education
CAMEROON

Annie Bui
DOCTOR OF BUSINESS MANAGEMENT
Business Management
CANADA

Claudine Dell
BACHELOR OF SOCIAL WORK
Social Work and Human Rights
CAYMAN ISLANDS

Alejandro Martinez Piñeros
MASTER OF EDUCATION
Education
COLOMBIA

Mwkie Mpapa Pacifique
MASTER OF SCIENCE
Civil Engineering
CONGO

William Jefferson Watler Reyes
DOCTOR OF SCIENCE
Environmental Science
COSTA RICA

Juan Carlos Mejía Quezada
BACHELOR OF SCIENCE
Engineering Systems
DOMINICAN REPUBLIC

Lydia Lena John-Renner
BACHELOR OF SCIENCE
Human Resource Management
GAMBIA

This month we have graduates from: Angola · Aruba · Belize · Burkina Faso · Cameroon · Canada · Cayman Islands · Colombia · Congo · Costa Rica · Dominican Republic · Gambia · Ghana · Guatemala · Guyana · India · Ivory Coast · Jamaica ·

<p>Jacqueline Alice Akinyi Kado DOCTOR OF ARTS Human Development KENYA</p> <p>Filipos Ruxho POST-DOCTORATE OF ECONOMICS Business and Economics KOSOVO</p> <p>Samuel Mcneil Elias Kayuni MASTER OF THEOLOGY Human Rights MALAWI</p> <p>Es-safi Nour Eddine POST-DOCTORATE OF AGRONOMIC SCIENCES Sustainable Agriculture MOROCCO</p> <p>Francis Anthony Ikechukwu BACHELOR OF SCIENCE Logistics NIGERIA</p> <p>Ademola Ayomide Balogun BACHELOR OF SCIENCE Business Administration NIGERIA</p> <p>Theresa Utieyin Akindeju DOCTOR OF PHILOSOPHY PUBLIC HEALTH NIGERIA</p> <p>Tracey Harokaq'veh BACHELOR OF PROJECT MANAGEMENT Project Management and Operations PAPUA NEW GUINEA</p> <p>Andrés Javier, Aguilar Pinedo BACHELOR OF SCIENCE Mechanical Engineering PERU</p> <p>Bardan Marius Vasile BACHELOR OF SCIENCE Physics, Chemistry and Biology ROMANIA</p>	<p>Hussain Amer Alomayri BACHELOR OF SCIENCE Chemical Engineering SAUDI ARABIA</p> <p>Galal Mohamed Abualmagd Morsy DOCTOR OF BUSINESS ADMINISTRATION Business Administration SAUDI ARABIA</p> <p>Joseph Morais Rainald Morais BACHELOR OF SCIENCE Electrical Engineering SINGAPORE</p> <p>Nerisha Bajjnath DOCTOR OF SCIENCE Industrial-Organizational Psychology SOUTH AFRICA</p> <p>Gibson Bakata Waro Francis BACHELOR OF SCIENCE Information Technology and Management SOUTH SUDAN</p> <p>Lamoka Mary Alfred BACHELOR OF ACCOUNTING AND FINANCE Financial Management SOUTH SUDAN</p> <p>Sergio Gil Flores DOCTOR OF ANTHROPOLOGY Cultural and Social Anthropology SPAIN</p> <p>Michael Donald Arthur ASSOCIATE OF EDUCATION Education ST. LUCIA</p> <p>Mireille, Renate Papotto MASTER OF SCIENCE Social Work SURINAME</p> <p>Mohamed Khaled Dardar DOCTOR OF SCIENCE Information Systems SYRIA</p>	<p>Frank Samwell Mkally BACHELOR OF LOGISTICS AND TRANSP. MGMT. Business Management TANZANIA</p> <p>Zainab Rattansi-Lalji BACHELOR OF SCIENCE Nutrition TANZANIA</p> <p>Nevin Acar BACHELOR OF SCIENCE Physiotherapy and Kinesiology UNITED KINGDOM</p> <p>Jorge Alex Deutsch de Barros DOCTOR OF PHILOSOPHY Administration and Business Management URUGUAY</p> <p>Caleb Pierre DOCTOR OF THEOLOGY Pastoral Ministry USA</p>	<p>Bayan Adib Elkaderi DOCTOR OF SCIENCE Nutrition and Dietetics USA</p> <p>Caleb Pierre MASTER OF THEOLOGY Pastoral Ministry USA</p> <p>Danauris Mieses BACHELOR OF SCIENCE Computer Engineering USA</p> <p>Priscila Tamara Ibañez BACHELOR OF EDUCATION English as a Second Language USA</p> <p>Mirian de la Caridad Ortega Gonzalez MASTER OF EDUCATION Analysis in Behavior in Special Education USA</p>	<p>Nkem Monde-Anumihe DOCTOR OF PHILOSOPHY Sociology USA</p> <p>Chelle L. Allen BACHELOR OF COMMUNICATIONS Communications USA</p> <p>Nsungu Chipoya MASTER OF PUBLIC ADMINISTRATION International Relations ZAMBIA</p> <p>Maxwell Chigerwe BACHELOR OF BUSINESS ADMINISTRATION Business Administration ZIMBABWE</p> <p>Nomore Chifamba BACHELOR OF SCIENCE Architecture ZIMBABWE</p>
				
<p style="text-align: center;">FIND MORE GRADUATES</p> <p style="text-align: center;">Gallery / Interviews: https://www.aiu.edu/media-center/</p>				

FIND MORE TESTIMONIALS FROM AIU STUDENTS HERE: <https://www.aiu.edu/aiu-testimonials/>



Caleb Pierre
 Doctor of Theology and Pastoral Ministry
 April 30, 2024

“I am grateful to have been a student at **Atlantic International University**. This university helped me develop life-changing skills and taught me great values to becoming a Doctor in Theology and Pastoral Ministry. From great communication to the affordable budget, I do not regret my choice at all.

At **AIU**, I experienced a great environment that was friendly and offered quick and reliable assistance when needed. I greatly appreciate **AIU**'s efforts and support towards my academic journey and the modern resources that made communication and education easy and accessible for me. This motivated me, as a Senior Pastor, to continue to grow in my environment with effective communication skills to develop a great relationship with a listener or reader to ensure that my message is understood well.

AIU provided me with courses that help me learn to focus on the present moment and not compare myself to others, maintain my dignity as a minister, maintain eye contact when listening and speaking, be open-minded ...

READ FULL TEXT: <https://www.aiu.edu/testimonials/caleb-pierre-doctor-of-theology-and-pastoral-ministry/>



Noeldar Gelage Hoareau
 Post Doctorate of Organizational Psychology
 May 3, 2024

“It is important to say, before I describe my experience at **Atlantic International University**, let understands the (1) background, (2) its philosophy, (3) principles, and (4) the values of **AIU**. So, when I learned about **AIU** which was incepted in the 1980s and in those years the primary focus was on a wide range of undergraduate degrees.

The institution degrees were initially intended for employees of various enterprises owned by the university's founders. Then, the goal encompassed a paradigm shift from “traditional knowledge” to “practical knowledge”.

It was a move from Pedagogy to Andragogy with an emphasis on human and environmental capital, which appears to be the only viable solution to an increasingly globalized world.

With encouraging results that never stopped to pile up through Bachelor's Degree programs, the **AIU** system crossed international boundaries and expanded to also include studies at the graduate and terminal levels (Masters and Doctorate). ...

READ FULL TEXT: <https://www.aiu.edu/testimonials/noeldar-gelage-hoareau-post-doctorate-of-organizational-psychology/>



Clarence Joseph
 Bachelor of Civil Engineering and Construction Management
 May 7, 2024

“I hope this letter finds you well. As an aspiring graduate of **Atlantic International University**, I am writing to reflect on my journey through the online Civil Engineering and construction management program and to express my gratitude for the invaluable experiences I gained. Transitioning from a student to an alumnus, it feels both surreal and exhilarating to look back at the path I have traversed.

My decision to pursue civil engineering was driven by a deep-rooted passion for building and innovation. From a young age, I was fascinated by the structured world around us from bridges to skyscrapers and the complex engineering that facilitates modern life. The choice to specialize in this field was further solidified by my desire to contribute to sustainable infrastructure and to partake in solutions that address global challenges such as urbanization and climate change.

Embarking on an online program was a decision shaped by the need for flexibility and the appeal of innovative ...

FULL TEXT: <https://www.aiu.edu/testimonials/clarence-joseph-bachelor-of-civil-engineering-and-construction-management/>



Nadia Hylton
 Master of Agriculture Education
 May 10, 2024

“I am writing to express my profound appreciation for the transformative experience I underwent during my tenure at **Atlantic International University (AIU)**. Enrolled in the Masters of Science Degree in Agriculture Education from September 27, 2023, to September 27, 2024, my journey at **AIU** has been intellectually stimulating and personally enriching.

AIU's academic environment merges progressive pedagogy with scholarly rigor, fostering holistic learning. Engaging with diverse cohorts and erudite mentors have broadened my intellectual horizons and cultivated an understanding of interdisciplinary paradigms.

Delving into a multifaceted curriculum underscored by theoretical depth and practical relevance, augmented by hands-on projects, sharpen my analytical intelligence and endowed me with relevant proficiencies.

AIU's commitment to fostering innovation and scholarly inquiry empowered me to transcend conventional boundaries, fostering a proactive approach to scholarly endeavors. ...

READ FULL TEXT: <https://www.aiu.edu/testimonials/nadia-hylton-master-of-agriculture-education/>

The importance of Mathematics

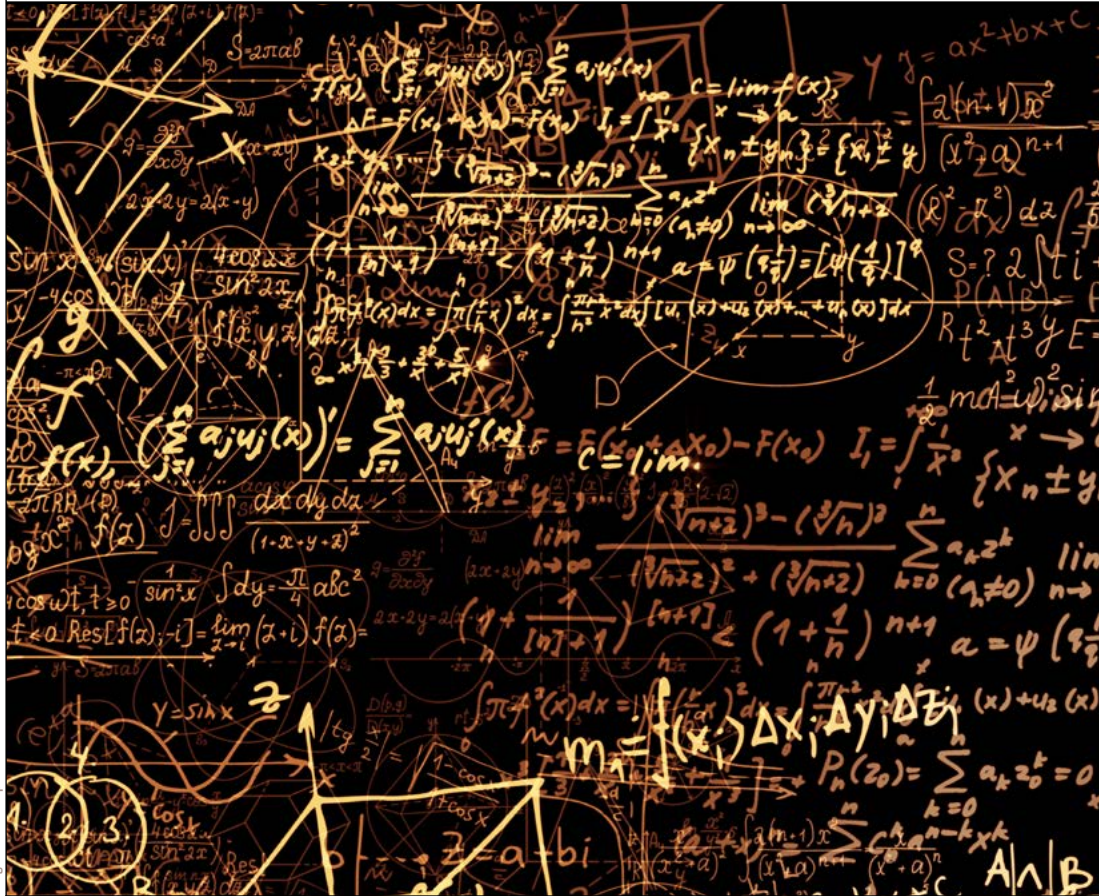


Image: www.freepik.es

We study and study and the tradition is that mathematics is the most important science and that without it we will not be able to do anything.

When students are finishing their degrees, they get worried because they think that all research is solved with math-

ematics. First, we must think about what science we intend to do our research on to see if it is one of the so-called “hard sciences” —such as the natural and physical sciences— and if it is one of the “soft sciences” which are the Social and Humanities.

Currently, although we are working with hard sciences, it’s requested that all research ends with a holistic methodology; It means that it’s resolved by solving all the areas of knowledge with which it’s related because we have to apply it to practical situations in all

the spheres it includes.

Let’s see what emerges first: the determination that to be a science it really must reach mathematical demonstration or if a science is a science by the process it follows in accordance with the path of demonstration that its object of study allows.

There is a wonderful work on Mathematics written by **James R. Newman**, a work done in 6 volumes that among our original works we have the pleasure of possessing.

Newman says of Mathematics: “Higher Mathematics has the simplicity and inevitability of supreme poetry and music, standing on the border between all that is wonderful in science and all that is beautiful in art.” (**NEWMAN**, 1994, p. 94)

Let’s see what the journey of Mathematics has been and where it comes from that for research to have scientific rigor it must necessarily go through mathematics.

Newman says that: “According to **Aristotle**, mathematics originated because the priestly class of Egypt had the time necessary to dedicate themselves to its study; More than two thousand years later, exact

corroboration of this observation was obtained through the discovery of a papyrus currently preserved in the Rhind collection at the British Museum.” (**NEWMAN**, 1994, p. 8)

The Egyptians had good knowledge in practice, but they didn’t know the theory. From ancient Greece we have:

- **Tales of Miletus** s. VII AC
 - **Pythagoras** 570 AC to 500-490 AC.
 - **Hippocrates** 460 AC to 370 AC
 - **Democritus** 460 AC to 370 AC
 - **Plato** 427 AC to 347 AC
- From **Pythagoras** h. 572 BC-h. 497 BC let us remember his theorem.

In the 4th century BC, mathematics moved to Africa with the conquest of **Alexander the Great**, who founded Alexandria; he died two years later.

Greeks, Jews and Arabs met in Alexandria.



By **Dr. Rosa Hilda Lora M.**
Advisor at AIU | rosa@aiu.edu

<p>In the city Ptolemy 100 BC. – 170 BC. – created a library that was a university and Euclid 325 BC. – was one of the first teachers.</p> <p>Apollonius of Perga 15 BC. – 98 BC. – and Archimedes of Samos 287 AC – 212 AC followed Euclid 325 BC</p> <p>Apollonius perfected the geometry of conic sections.</p> <p>Archimedes, the invention of integral calculus and the principle of the lever.</p> <p>Greek mathematics later remained inactive for a thousand years.</p> <p>By the 16th century, a strong period in mathematics began, we are talking about John Napier (1550–1617) creator of logarithms and Kepler (1571–1630) the Conjecture.</p> <p>The brilliant era of Mathematics arises when thinking becomes mathematical. We talk, among others:</p> <p>Pascal (1623–1662) Descartes (1596–1650) Newton (1642–1727) and Fermat (1607–1665).</p> <p>Pascal – Pascal’s triangle. Descartes – creates analytical geometry and the rule of signs. Newton– differential and integral calculus. Fermat– creates number theory.</p> <p>For the 19th century we talk about Gauss (1777–1855) who demonstrated Fermat’s polygonal number theorem.</p>	<p>Poincare (1854–1912) – Topology. Bertrand Russell (1872–1970) and his Paradox of Sets.</p> <p>Twentieth century. Kurt Gödel (1906–1978). The theory of Solitons or nonlinear waves.</p> <p>We also have: “The Riemann Hypothesis. First of all is the Riemann Hypothesis, which has tormented mathematicians for 150 years. The Riemann Hypothesis has to do with the concept of prime numbers, which is the basic piece of arithmetic. A prime number is a positive integer greater than 1 that cannot be divided by any positive number except 1 and itself. The series of prime numbers begins with 2, 3, 5, 7, 11, 13, and continues without limit. <small>Griffiths, Phillip. Institute for Advanced Study. Olden Lane, Princeton, NJ 08540–0631, United States of America https://blogs.mat.ucm.es/catedramdeguzman/las-matematicas-ante-el-cambio-de-milenio/</small></p> <p>A notation that Griffiths makes of Mathematics is that the work of mathematicians is made difficult because they must lower the level of their presentations so that other scientists who are not from the area can attend.</p> <p>The work of mathematicians is not intended to serve the other sciences.</p> <p>Because of the research that is being done today in the 21st century, it seems that we have passed the stage where</p>	<p>to do science it’s necessary for mathematics to exist and for the experiment to be done. Poincare did good research in mathematics that is very important today.</p> <p>“The Poincare conjectures. This problem is puzzling because it is both very fundamental and very simple in appearance. In Poincare’s day, a century ago, it was considered a trivial matter as was all of Topology, an area of Mathematics that he had essentially invented. Today’s Topology Today it’s a vital and significant area of Mathematics.”</p>	<p><small>Griffiths, Phillip. Institute for Advanced Study –Olden Lane, Princeton, NJ 08540–0631, United States of America. https://blogs.mat.ucm.es/catedramdeguzman/las-matematicas-ante-el-cambio-de-milenio/</small></p> <p>From Poincare we also have: “The entire machinery of what we nowadays call simplicial homology is entirely the creation of Poincare: the concepts of triangulation in a manifold, of a simplicial complex, of barycentric subdivision and of the dual complex, that of a matrix. of incidence coefficients of a complex and the calculation of Betti numbers</p>	<p>from that matrix”. (<small>Poincare, 2019, p. 35</small>)</p> <p>The works of Gödel are also important:</p> <p>“In 1931 the logician Kurt Gödel, Austrian by birth, established that absolute certainty could not be achieved in arithmetic, assuming that arithmetic is based on certain properties of integers.” <small>Griffiths, Phillip. Institute for Advanced Study Olden Lane, Princeton, NJ 08540–0631, United States of America. https://blogs.mat.ucm.es/catedramdeguzman/las-matematicas-ante-el-cambio-de-milenio/</small></p> <p>Science developed within the</p>
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Image: www.freepik.es



Image: www.freepik.es

current of Positivism: experiment and mathematics; Today we know that it's necessary to work on the object of study of the Social and Human Sciences.

Positivism is a useful work, but there is a world that must be developed because we are witnesses of the society of misinformation and hate speech because we are in a world that at first glance seems uneven: we measure a lot, we know a lot about what it is outside of us, but we don't know who we are and where to walk, hence the great madness

of the world in which we live.

"Positivism is the philosophical current created by the Frenchman **Augusto Comte** according to which the positive sciences allow us to objectively know the facts through the laws that they discover. *ESCOBAR VALENZUELA (2004)*.

How these sciences arise; **Comte** says that there are three laws for them.

1. – The law of the three states.

"The idea of a fundamental law that explains the various facts of nature, history and

culture, is common throughout the first fifty or sixty years of the 19th century." *XIRAU (2005, p. 360)*.

August Comte finds this law in what he calls the law of the three states.

LORA MUÑOZ, R.H. POSITIVISM- AUGUSTO COMTE. https://www.aiu.edu/spanish/publications/student/spanish/el-positivismo-augusto-comte.htm

What must we do?

"The suggestions that can be made regarding positivism and the use of its consequence, the current scientific method:

It's investigating what reality is in the different paradigms of science.

Analyze what we want to investigate and follow the proposal of **Martínez Miguélez** and that of **Prigogine**.

Martínez Miguélez tells us that we must first see before structuring a research project, what we want: only quantify for the sake of quantifying or do we want an explanation of the phenomenon.

He also establishes a difference between the objects of study: physical sciences or social sciences. The objects of social sciences can be work with a triangulation project. It also tells us about interdisciplinarity.

The objects and their system are what determine the method and not the other way around.

In the case of **Prigogine**, he says that if we are dealing with certain phenomena, we can do quantifiable research, but in open systems far from equilib-

rium this is not possible.

Both Martínez M. and Prigogine mention that you must see what the object to be investigated is to see the method to use. *LORA MUÑOZ, R.H. POSITIVISM- AUGUSTO COMTE. https://www.aiu.edu/spanish/publications/student/spanish/el-positivismo-augusto-comte.htm*

The world of mathematics is so special that the bibliography that appears develops its models, but not the research that was done on this science; It's a field that is not very publishable.

You are doing your program at **Atlantic International University**; Work seeking to demonstrate and don't suggest that there must be mathematics for your research to be extraordinary.

Seek the truth in the field that the object indicates to you.

Work and don't be afraid! Don't inherit the fear that of mathematics!

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Social workers' interventionist role in depression cases among public sector retirees in Nigeria

Friday Imoluamen | Doctor of Social Work | Part 2/2

3. Methodology

The study is purely qualitative in nature, but a comparative review approach was adopted to address the key concepts of depression and retirement. Besides a review

of studies by non-Nigeria researchers, the study was designed essentially to compare the views and findings of Nigerian researchers on depression among retirees, the ultimate objective of which was to

establish the efficacy of social workers' interventionist role. In order to select relevant study papers, the following key words were used as search parameters: social workers; depression among retirees; Nigeria;

retirement; and retirees in Nigeria. The period of study covered is 2017-2022.

Rationale for Choice of the Period 2017-2022

The 6-year period (2017-2022) was characterized by traumatic events for thousands of Nigerians. There was rampant loss of jobs to organizational downsizing and mergers consequent upon economic crisis. The level of poverty in Nigeria rose phenomenally, prompting the stigmatization of Nigeria as a poor country in league with India among others, in spite of the country's endowment with natural resources (DADA, 2023). Inflation rose almost uncontrollably, resulting in high cost of living for many Nigerians. In addition, the emergence of Covid-19 in late 2019, spreading into 2020 and compelling the shut-down of economic activities further increased hardship, stress and deaths (OWOLABI, 2022). Covid-19 created grave

health concern for retirees and other members of the society (ERIGBE, 2020). Within the period in question, insecurity was a rampant feature in the Nigerian society, causing anxiety, fear of loss of life and instability among several families.

Considering the events of the last 6 years, and the perceived causal relationship they might have with depression, an investigative review of research papers on depression in Nigeria should be illuminating. A major reason for relying on studies conducted by Nigerian researchers in the 6-year period selected is that Nigerian researchers understand the complexity of the socio-economic environment, culture and bureaucratic intricacies in the public sector work space. Consequently, their studies should be revealing. The foregoing motivated reference to the 6-year period.

4. Analysis and discussion of results

Based on the selection of five (5) studies with copious reference to retirees and depression in Nigeria, Table 1 was drawn as shown below [NEXT PAGE].

A total of 14 research papers were accessed using the word parameters highlighted in the methodology section. 9 papers were excluded on account of falling outside the 2017-2022



TABLE 1. NIGERIAN RETIREES AND DEPRESSION 2017-2022: SELECTED STUDIES

S/N	STUDY	TITLE	METHODOLOGY	KEY RESULTS/FINDINGS	SOURCE
1	Ejeh et al. (2020)	Determination of depression, anxiety and stress among retirees in Kogi State, Nigeria and preventive strategies	Survey design	Retirees were found to experience a severe degree of depression.	International Journal of Education, Learning and Development 8 (3)
2	Igbokwe et al. (2020)	Prevalence of loneliness and association with depressive and anxiety symptoms among retirees in Northcentral Nigeria: A cross-sectional study	Cross-sectional study and quantitative approach	Prevalence of depression was revealed to be high with other retirees irrespective of gender. Loneliness and anxiety were confirmed to be associated with retirees, but with variance among the male and female	BMC Geriatrics Doi:org/10.1186/s12877-020-01561-4
3	Akpan (2021)	Retirement planning and socio-economic wellbeing of retirees in Nigeria: A study of University of Uyo Teaching Hospital, Uyo, Nigeria	Qualitative study: conceptual/thematic approach	That poor retirement planning makes retirees vulnerable to poor health and depression	International Journal of Public Administration and Management Research 6 (5), 51-65
4	Ajewole (2017)	Depression and social support among the elderly patients attending General Outpatient Clinic in Federal Medical Centre, Owo, Nigeria	Cross-sectional descriptive study; field survey	Confirmation of prevalence of depression among elderly people. Social support is not identified significantly with retirees facing depression.	www.dissertation.npmcn.edu.ng
5	Ejeh et al. (2019)	An examination of associated factors of emotional health problems among retirees in Kogi State, Nigeria	Correlations survey research design	A significant relationship was found between depression and retirees' age and gender.	South Asian Research Journal of Nursing and Healthcare 1 (1), 34-44

range and non-coverage of the following key words: depression; retirees in Nigeria; social work or social workers; and intervention. Only 5 papers were finally selected for the study, having met the criteria.

Results from all the research papers involved in the study were focused on retirees. All the papers found a significant degree of depression impact on Nigerian retirees. This is in consonance with a preponderance of findings on depression impact on retirees and the elderly in other climes (DANG ET AL., 2022; CHEVURU & CHYAKA, 2019;

SALAMI, 2015). Two of the five studies confirmed the severity of depression among Nigerian retirees. One study found depression to relate to retirees' age and gender, but there was no clear-cut gender dichotomy in the results. The result could have identified specifically whether the male gender or female gender is more vulnerable to depression. Two other studies highlighted the prevalence of depression among Nigerian retirees. This finding validates empirical evidence in Mokuolu (2016) and Akinyi (2020). Only one study addressed retirement

planning, and found that retirees are vulnerable to depression without pre-retirement planning. Results in the study are in agreement with Abdulkadir et al. (2018). Study methodologies differ and tend to exact some impact on the dimension of results.

Two of the studies this investigation adopted cross-sectional approach; two others applied survey design while only one adopted a conceptual/thematic approach. In spite of the relevance and strength of any methodology, there is usually an element of

associated-weakness (OBOH & IHEDIGBO, 2014; TAHERDOOST, 2022). This is evident in each of each of the methodologies engaged in the studies. Moreover, the sample size in each study is at variance. Each of the five studies was conducted in a different zone within the Nigerian geographical space. It is therefore plausible to assert that the socio-economic background and cultural cum religious inclinations of sample members must have had influence on their response (SAUNDERS, LEWIS & THORNHILL, 2019). Furthermore, there data differences among the studies observed. All the studies employed primary data, and no reference was made to secondary data. Only one study applied econometric approach while three others employed descriptive statistics.

Given the liberty to replicate the five studies, use

of secondary data and more robust statistical tools may generate new results somewhat different from the existing results. Nevertheless, results from the five studies describe the experience of Nigerian public sector retirees, and indeed validate the causes and impact of depression on retirees in the Nigerian society (MOKUOLU, 2016; OLUSEGUN, 2022). A plausible summary of the results from the five studies under analysis is the devastating prevalence of depression among majority of Nigerian retirees from the public sector. None of the studies made any significant reference to social workers, implying that social workers' role and recognition in the Nigerian space are still at a low ebb. In spite of the professional skills and knowledge of social workers, their engagement to handle





depressed retirees had no prominent attention in the five studies. This only suggests that retirees with depression issues hardly consult social workers. When retirees with a chronic case of depression consult medical doctors, management follow-up on such cases may involve referring the patient to social workers for therapeutic attention.

5. Conclusion and recommendations

Findings from the study provide insight into gaps in the existing empirical literature on depression among retirees in Nigeria. Such literature cannot be limited to the public establishments only. Retirement management and the life pattern of retirees from the private sector are also sources

of further research. Depression is a recurrent feature in every society and its management determines how patients can regain stable wellbeing. For public sector retirees in Nigeria, depression is a critical problem. Several professionals are stakeholders in the process of prevention and management of depression, each having a technical role to play. This study has assessed the extent to which social workers are engaged in stemming depression among retirees. Evidence from the analysis of recent studies on depression and retirees shows that social workers are hardly engaged. The role of social workers is not given any significant prominence in Nigeria's socio-health care system.

It would imply that social workers are remote to retirees and depression cases. In the light of findings in the study, immediate and future actions can facilitate social workers' engagement in depression cases among retirees. What follows is a series of recommendations. In the current dispensation of knowledge explosion by technological means, the community of social workers needs to engage public enlightenment to publicize the services of the profession and its benefits to both society and humanity. Social workers of the Nigerian stock need to engage in more scientific research, delving into the social problems that characterize Nigeria's socio-cultural and socio-economic environment. Public enlightenment on depression is expedient to which public health agencies can frontal attention. Social workers in Nigeria need to be more engaging in the public space. Nevertheless, fresh studies need to be conducted, linking social workers and retirees in Nigeria. It is expedient to introduce prospective retirees to social workers at pre-retirement and counseling sessions to acquaint them with the services of professional social workers. **THE END**

Publications by Students: aiu.edu/StudentPublication.html

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learning



Image: KYODO / www.japantimes.co.jp

Open access

Japan will allocate ¥10 billion to make its science free to read.

The Japanese government is pushing ahead with a plan to make Japan's publicly funded research output free to read. In June, the science ministry will assign funding to universities to build the infrastructure needed to make research papers free to read on a national scale. The move follows the ministry's announcement in February that researchers who receive government funding will be required to make their papers freely available to read on the institutional repositories from April 2025.

The Japanese plan "is expected to enhance the long-term traceability of research information, facilitate secondary research and promote collaboration", says **Kazuki Ide**, a health-sciences and public-policy scholar at Osaka University in Suita, Japan, who has written about open access in Japan.

The nation is one of the first Asian countries to make notable advances towards making more research open access (OA) and among the first countries in the world to forge a nationwide plan for OA. ...

Among the roughly 800 universities in Japan, more than 750 already have an institutional repository, says **Shimasaki Seiichi**, director of the Space Development and Utilization Division at MEXT in Tokyo, who was involved with drawing up the plan. Each university will host the research produced by its academics, but the underlying software will be the same.

Japan's move to greater access to its research is focusing on 'green OA' ... **Read full text at Nature:** <https://www.nature.com/articles/d41586-024-01493-8#:~:text=The%20Japanese%20government%20is%20pushing,read%20on%20a%20national%20scale>.

Google leak

It reveals multiple privacy and security errors.

A major leak from Google's internal database has revealed various security and privacy incidents at Google. The database, tipped off to *404 Media* by an ex-employee, contains 6 years' worth of reports on various privacy and security concerns spotted in Google's products, services, and acquired companies. The leak revealed employee reports about Google's products collecting children's data, leaking carpool users' trips and home addresses, and making YouTube recommendations based on deleted watch history. ...

Some of the major instances of privacy breaches spotted by *404 Media* are: Google Street View storing license plate numbers, A third-party service exposed email addresses, Storing children's voices, and Government products made available to the public.

Key details about the complaints in the report include a quirk in Android's keyboard meant that children were pressing the microphone button, resulting in Google logging audio from children as part of the launch of the YouTube Kids app.

While Google has stated that these issues have been resolved, the sheer amount of reports and complaints, when compounded are a source of concern. In particular, the defects in privacy provisions for products made specifically for children should be a matter of distress, with regulators like the Federal Trade Commission of the US proposing that the onus of child data ... **Read full text at Medianama:** <https://www.medianama.com/2024/06/223-report-google-leak-privacy-security-errors/#:~:text=A%20major%20leak%20from%20Google's,%2C%20services%20and%20acquired%20companies>.



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MDMA

The case for its approval is riddled with problems.

Only two drugs are formally approved for post-traumatic stress disorder, or PTSD, and they don't help everyone. A lack of effective treatment options has led some patients to seek out the psychedelic drug MDMA, also known as ecstasy, to help relieve their symptoms when traditional medications and therapy don't work.

In the US, momentum has been growing to legalize MDMA and other psychedelics. Lykos Therapeutics, which has been testing MDMA alongside psychotherapy in clinical trials for years, had a chance this week to prove that the combination is effective at treating PTSD. But at a June 4 meeting, a panel of advisers to the US Food and Drug Administration overwhelmingly voted that there wasn't

enough evidence to recommend its approval. Just two of the 11 committee members were convinced that the treatment was effective, and only one said its benefits outweighed the risks. ...

The US has yet to approve a psychedelic drug for medical use, so a green light from the agency would represent a major milestone for a class of drugs that has been banned since the 1970s. But now that approval is anything but certain. "I absolutely agree that we need new and better treatments for PTSD," said committee member **Paul Holtzheimer** ... Advocates of MDMA-assisted therapy were crushed by the recommendation. ... **Read full text at Wired:**

<https://www.wired.com/story/mdma-approval-problems-fda-lykos-psychedelic-therapy-mental-health-ptsd/>

Buronus m.

New species of great ape is the smallest ever found.

Anthropologists recently identified two fossilized teeth and a single kneecap that appear to belong to a never-before-seen species of great ape: *Buronus manfredschmi*.

With an estimated weight of just 10 kilograms (22 pounds) —about the weight of an extremely chunky cat—the new-found species is the smallest great ape to be identified.

The remains were unearthed at the Hammerschmiede clay pit in southeast Germany at a layer dated to the late Miocene Epoch, around 11.6 million years ago.

The tiny ape wasn't the only hominid (great ape) to live here during this period. Between 2015 and 2018, researchers digging at the Hammerschmiede fossil site discovered the remains of

Danuvius guggenmosi, another species of great ape that walked on two legs.

Judging by their size difference, the researchers believe these two apes led very different lifestyles. The kneecap and teeth of *Buronus* suggest they were skilled tree climbers that ate a diet of soft foods such as leaves, while *Danuvius* had a surprisingly upright posture, suggesting it spent most of its time on the ground.

By occupying different niches, the two species were able to share a habitat without directly competing for resources, much like the relationship between the modern gibbons and orangutans that share habitats in Borneo and Sumatra. ... **Read full text at IFLScience:** <https://www.iflscience.com/new-species-of-great-ape-from-ancient-germany-is-the-smallest-ever-found-74572>

The fossilized teeth of *Buronus manfredschmiedi* suggest it was a very small guy.



Image: Böhme et al., PLOS ONE 2024 (CC-BY 4.0)

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New concrete Recycled low-carbon

Researchers at the University of Cambridge have devised a way of cheaply producing low-carbon concrete at scale by making use of waste cement and the steel industry's electric arc furnaces. The method developed by the engineers involves recycling old cement from demolished buildings by heating it up and reactivating the compounds within it.

Key to the innovation is how this process is executed: by piggybacking off the existing electric-powered furnaces used to recycle steel. Cement is the key ingredient in concrete and responsible for around 90 per cent of the material's substantial carbon emissions. The Cambridge researchers' approach addresses both of the major sources of those emissions: the chemical reaction as limestone is turned into new cement, and the firing of fuels to power the high-heat kilns needed for that process. ...

Read full text at Dezeen: <https://www.dezeen.com/2024/05/31/cement-recycling-low-carbon-concrete-news/>

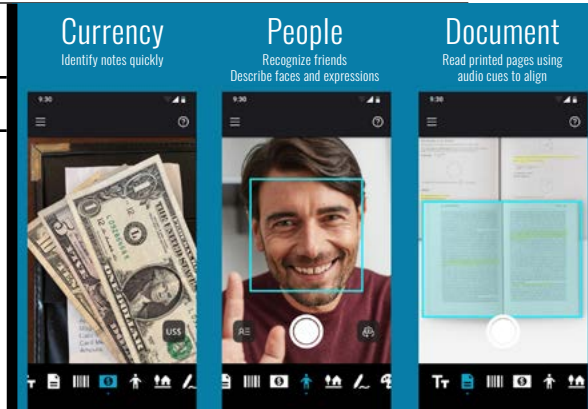
EV by Roth Architecture Ideal for navigating narrow Tulum roads

Tulum-based design studio Roth Architecture has created an electric car accented with local materials to offer a "tranquil journey amidst nature" along the local roads.

The EK car was created under the studio's Azulik brand, which includes a resort, art museum, restaurants and the studio's "insect-wing" office spanning a property along the coast of Mexico's Yucatán Peninsula. It has an organic style with "elegant lines", similar to the one that dominates much of the Azulik property.

The EK car was designed to reduce the environmental impact of fossil fuel transportation, in line with what the studio calls its commitment to the "urgent demands of the Earth".

It was also made to navigate the curving roads of an upcoming residential project by Azulik, according to the studio, which will include luxury villas and 84 apartments across four towers. ... **Read full text at Dezeen:** <https://www.dezeen.com/2024/05/29/roth-architecture-creates-electric-car-for-navigating-narrow-tulum-roads/>



Seeing AI Now for Android

The hugely popular *Seeing AI* app was released for iOS six years ago, is now available for Android phones! Created by Microsoft, *Seeing AI* is a free app that narrates the world around you. This app supports blind and low vision individuals with a variety of daily tasks by reading mail, identifying everyday products, describing images and so much more! This latest update has also included richer image descriptions when tapping 'more info' when on an image in Scene option. Taking advantage of ChatGPT, after reading text, you can now ask questions about that text, such as items on a menu, price on a receipt or to summarize and article. *Seeing AI* has these options/channels: Short Text · Documents · Products · Person · Scene · Currency · Light · Color · Handwriting.

Seeing AI is now available in 18 languages with a plan to add 18 more languages during 2024. ...

Read full text at Perkins: <https://www.perkins.org/resource/seeing-ai-now-for-android/>

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Female doctors

Their patients have a lower risk of death or serious complications.

Having a female doctor could lower the risk of death or major health issues after surgery or hospitalization, studies have shown over and over. The latest evidence, published in the *British Journal of Surgery*, finds that surgical teams with more women see fewer health complications among patients than male-dominated teams.

The study compared hospitals in Canada where female surgeons and anesthesiologists made up more than 35% of the surgical teams to hospitals with a smaller share of female doctors. Higher levels of gender diversity were associated with a 3% lower chance of serious health complications for patients within three months of a major, non-emergency surgery.

The findings are based on an analysis

of more than 700,000 procedures at 88 hospitals in Ontario between 2009 and 2019. A handful of studies over the last decade have similarly shown that female doctors have better patient outcomes. ...

There may be several reasons for the trend: Female doctors tend to have longer visits with patients than their male colleagues do, and to interrupt them less often. In theory, this extra communication could lead to more accurate diagnoses and treatments or ensure that medical complications aren't missed or ignored. Research also suggests that female doctors are more likely to give preventive care, adhere to clinical guidelines and engage in shared decision-making with patients. ... **Read full text**

at NBC News: <https://www.nbcnews.com/health/health-care/female-doctors-patients-lower-risk-death-complications-rcna151968#>

Global health

Disease risk factors such as hypertension are on the rise.

A new study published in *The Lancet* reports there's been a significant increase worldwide in people experiencing disease risk factors, such as high blood pressure, high levels of cholesterol, and high body mass index (BMI).

The latest findings from *The Global Burden of Diseases, Injuries, and Risk Factors Study* (GBD) unveiled new insights into health challenges and what's driving them. Those factors are associated with metabolism and include high systolic blood pressure (SBP), high fasting plasma glucose (FPG), high body mass index (BMI), high LDL cholesterol, and kidney dysfunction. All demonstrate what researchers call "the consequences of an aging population and changing lifestyles on a global scale."

According to the study —done by

the Institute for Health Metrics and Evaluation (IHME) at the University of Washington— the world experienced a 49% increase in the number of global DALYs, or disability-adjusted life years (lost years of healthy life due to poor health and early death), attributable to metabolism-related risk factors between 2000 and 2021.

Researchers reported that poor health in people 15 to 49 years old was increasingly attributable to a high BMI and high FPG —also known as high blood sugar— that increases the risk of developing type 2 diabetes. Other metabolic risk factors, such as high LDL cholesterol and SBP, landed in the top 10 risk factors for ... **Read full text at Medical News Today:**

<https://www.medicalnewstoday.com/articles/global-health-disease-risk-factors-such-as-hypertension-high-blood-sugar-are-on-the-rise>



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Image: Courtesy of Jade S. Sasser

Jade S. Sasser

The kid question

Climate crisis is affecting Millennials and Gen Zer’s decision to have children.

Young people are worried about heat waves, intense storms, fires, and clean air. The ever-changing climate crisis is reaching a turning point for them, so much that they are asking themselves whether to have children.

Climate Anxiety and the Kid Question, authored by **Jade S. Sasser** (University of California, Riverside), provides readers a view of what young people—in particular young Black and Latinx people—are facing when deciding whether they want to become parents. “People of color were considerably more likely than white people to take climate change into their future reproductive plans and to plan to have fewer children as a result,” **Sasser** wrote in the book.

Part of **Sasser’s** research is a national survey with 2,521 respondents between

the ages of 22 and 35. About half of the respondents were people of color, the rest were white. **Sasser** spent time interviewing dozens of people and analyzing social activist campaigns online. Social inequality played a role throughout.

Sasser said most of the research and the few books that exist on climate emotions reflect “eco-anxiety” focused on the experiences of young, white, middle-class people, largely omitting Black and brown experiences despite their communities being hit harder by climate impacts. She urges conversations to make better decisions about the future of the planet. “Specifically, it can inspire us to become more deeply invested in creating the future we’d like to live in ... [Read full text](#)

at **UC Riverside News**: <https://news.ucr.edu/articles/2024/04/09/books-climate-anxiety-and-kid-question>

Far-right in the EU

...attacks environmental, climate and clean energy policies.

In 2019, when the European Union’s 27 member states last went to the polls to choose a parliament for the continent, youth-led climate activism was cresting. Hundreds of thousands of people marching in the streets of Berlin, Brussels, London, Paris and Vienna during the campaigning helped turn the EU parliamentary election into a referendum on climate action and preserving nature.

That strong grassroots support for pro-environment candidates and parties propelled the *European Green Deal*, as well as ambitious targets for reducing greenhouse gas emissions across all sectors to net zero by 2050 and a sweeping nature restoration law that requires member states to repair damaged ecosystems.

But five years later, as Europeans again go to the polls, an anti-environment backlash largely orchestrated and financed by fossil fuel companies and related industries is threatening some of those policies. Polls suggest that populist, rightwing and nationalist parties seeking to slow climate action will win more seats in the June 6-9 election of the next 705-member EU parliament, which could slow their implementation.

A solid far-right majority in the EU Parliament could “open a floodgate for really, really bad things,” said **Ariel Brunner**, director of the nonprofit conservation group *BirdLife Europe*. “That needs to be clear to everyone.” ... [Read full text](#)

at **Inside Climate News**: <https://insideclimatenews.org/news/07062024/eu-parliamentary-election-global-climate-policy/>

WHERE EUROPE’S FAR-RIGHT HAS GAINED GROUND (NOV. 23 2023)

<https://www.statista.com/chart/6852/seats-held-by-far-right-parties-in-europe/>

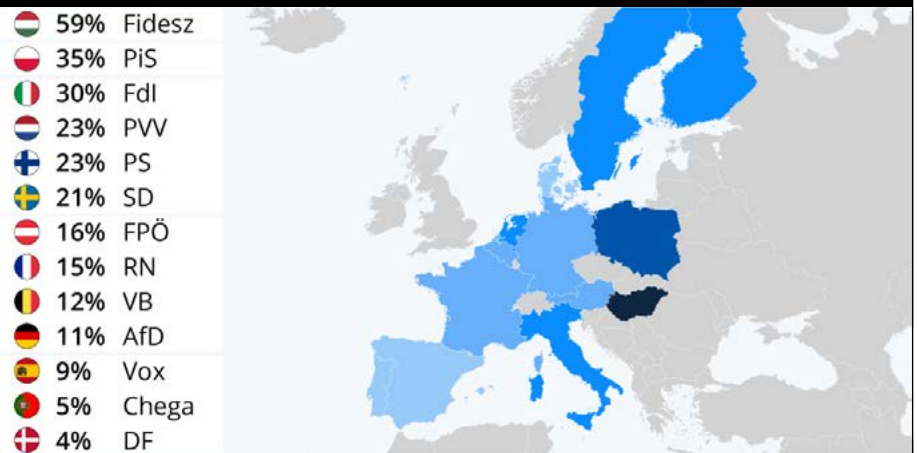


Image: www.statista.com

Eco Fact: Soil contains billions of micro-organisms critical to storing gases, breaking down + retaining nutrients, and growing healthy plants. Get sustainable.

Source: sustainability.georgetown.edu

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Image: data.unicef.org

Children under 5

A quarter of them have severe food poverty.

KALTUNGO, Nigeria (AP) — ... Here in northern Nigeria, where conflict and climate change have long contributed to the problem, **Dorcias Simon's** twins are among 181 million children under 5 —or 27% of the world's youngest children— who live in severe food poverty, according to a new report by the UN's children agency.

The report, which focused on nearly 100 low- and middle-income countries, defines severe food poverty as consuming nothing in a day or, at best, two out of eight food groups the agency recognizes.

Africa's population of more than 1.3 billion people is one of the most affected mainly due to conflict, climate crises and rising food prices. The continent accounts for one-third of the global burden and 13 of the 20 most affected

countries. But it has also recorded some progress, the report said.

The percentage of children living in severe food poverty in West and Central Africa fell from 42% to 32% over the last decade, it said, noting advances including diversified crops and performance-based incentives for health workers.

In the absence of vital nutrients, children living with "extremely poor" diets are more likely to experience wasting, a life-threatening form of malnutrition, the agency known as UNICEF said. "When wasting becomes very severe, they are 12 times more likely to die," **Harriet Torlesse**, one of the report's authors, told *The Associated Press*. ... **Read full text at AP News:** <https://apnews.com/article/africa-nigeria-unicef-malnutrition-children-8e871e46268fdd4780c7e853f931dca8>

apnews.com/article/africa-nigeria-unicef-malnutrition-children-8e871e46268fdd4780c7e853f931dca8

Guatemala

The benefits of circular migration.

With an H-2A visa for agricultural workers, **Arnoldo Chile** has been back-and-forth to the United States since 2016. Every year, he spends eight months in California, where he works in the logistics of an agri-food company, and four months in Guatemala, where he takes care of the blackberry field he bought with his remittances.

In the village of Rancho Alegre, Sumpango, **Roselia Canel** looks out the window of her room while embroidering a *güipil*. She thinks that she will soon have enough money to build a fashion workshop on the land she has just purchased. On the outskirts of the city, **Juan Pacache** and his wife are spreading fertilizer on their snow pea plantation, while, 15 kilometers away, in Santiago Sacatepéquez, **Vilma Lemus** is serving the last customers of the day

at her fruit and vegetable stall. ...

Chile, Pacache, Canel, and Lemus are some of the many Central Americans who are forced to emigrate to the US for economic reasons, but among the few who have had the opportunity to do so on a regular basis.

"Having a visa is a lifesaver because you are not forced to travel with human traffickers nor get yourself into debt," **Chile** explains. ... **Chile** and the others have these documents thanks to a program to send temporary agricultural workers from the Cuatro Pinos Cooperative. According to the US Department of Homeland Security, around 9,000 people from Guatemala traveled to the US with a temporary work contract in 2022. ... **Read full text at El País:** <https://english.elpais.com/international/2024-04-03/the-benefits-of-circular-migration-in-guatemala-a-round-trip-to-the-american-dream.html#>

An plantation at the Cuatro Pinos Cooperative, in Guatemala, which has promoted a temporary labor migration program with the United States since 2016.



Image: Simona Camino / El País



Image: BHWT



Hedwig the chicken before and after rescue

Egg-laying hens

This charity gives them a brighter future.

Commercial hens start laying eggs when they are about four months old. By 18 months, their output declines and they are typically sent to slaughter.

Keen to rescue them from this fate and give them a better life, the *British Hen Welfare Trust (BHWT)* works to rehome chickens across the UK. The charity started in 2005 with the modest goal of rehoming 100 hens. To date, it has rehomed nearly 1 million of them.

The Devon-based charity now works with commercial egg farmers around the UK, who give up their hens once their laying capabilities start to decline. “The farmers give us their hens to re-home because they want a nicer life for them —they want them to go on and have a free-range retirement,” explains **Francesca Mapp**, BHWT’s marketing

consultant. The alternative would usually be to send the hens to slaughter for pet food or low-grade meat products, as they are not the same breed of chicken typically used for human consumption.

The charity distributes rescued hens to 46 pop-up, volunteer-run rehoming points across the UK, with each bird travelling no more than one hour from its farm. “What’s brilliant about chickens is they’re not just a pet. You actually get something in return,” says **Julia Davies**. “It’s a really great way of getting cruelty-free eggs.” A flock of three or four hens (BHWT rehomes them in groups) will typically provide their new owner with “a couple of eggs a day for breakfast” ... [Read full text at euronews.green:](https://www.euronews.com/green/2024/01/02/dogs-with-feathers-could-your-next-pet-be-a-chicken-rescue-from-an-egg-farm)

<https://www.euronews.com/green/2024/01/02/dogs-with-feathers-could-your-next-pet-be-a-chicken-rescue-from-an-egg-farm>

Animal welfare

More persuasive than environmental credentials.

The emotive power of animal welfare is more likely to make people eat sustainably, than low-carbon footprints and other environmental credentials that foods boast on their labeling, a new study has found.

The analysis, published in *Food Quality and Preference*, aimed to drill down into the factors that drive people towards more sustainable dairy and meat products on grocery store shelves. And ironically, they’ve found, the answer isn’t telling people when foods are more sustainable.

The surprising finding is drawn from an online survey provided to over 3,000 people, who were spread across the UK, Switzerland, Sweden, Spain, and Czechia. The researchers asked these participants to rank 18 attributes on a scale of 1 to 5. The attributes ranged

across themes relating to the taste, quality, and freshness of a product, its carbon footprint, fair trade ratings, and whether it was free range and pasture-fed.

The team found striking agreement across all five countries, that the most important qualities driving their purchasing choices were the freshness, quality/taste, and animal welfare credentials of a particular food. Environmental sustainability, overall, ranked lower in the pile. This means that consumers are more likely to buy dairy or meat if it advertises that it’s pasture-fed or free-range, than if it says it’s organic, uses sustainable packaging, is produced locally, has a lower carbon footprint, or reduced food miles. ... [Read full text at Anthropocene Magazine:](https://www.anthropocenemagazine.org)

<https://www.anthropocenemagazine.org>



Image: www.freepik.es

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campus

How Schrödinger's cat got famous

By Robert P Crease

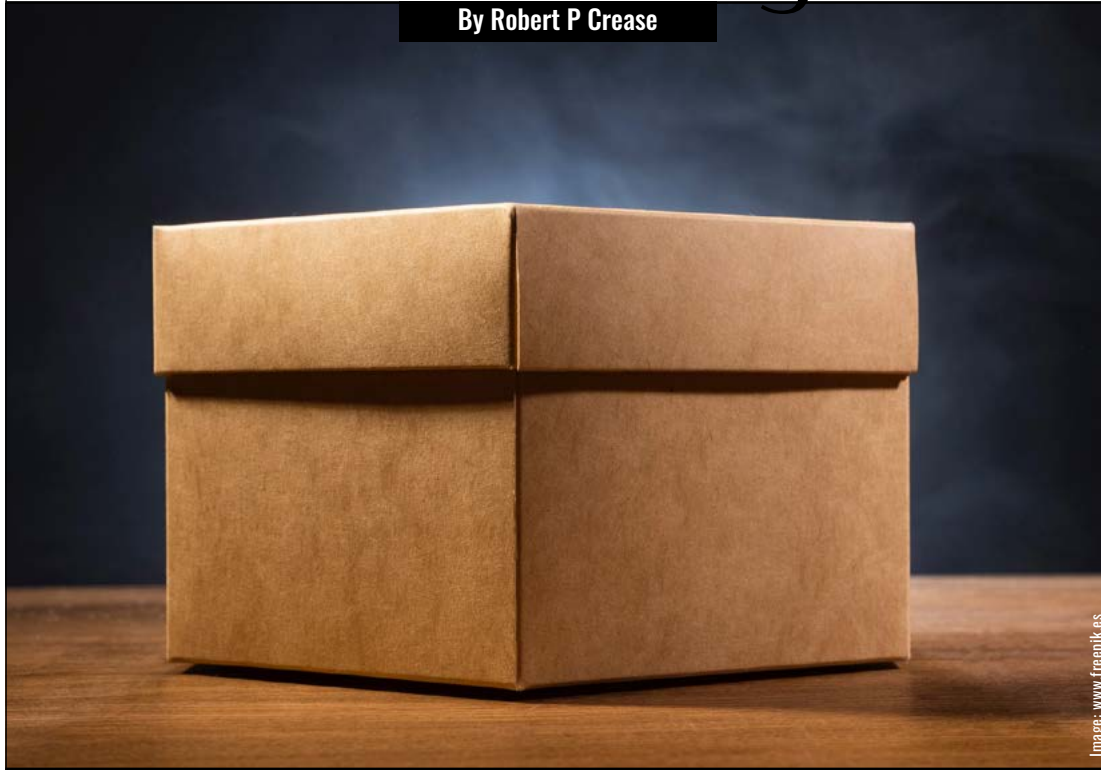


Image: www.freepik.es

The world's most famous cat seems to be everywhere —and nowhere. It appears on cartoons, T-shirts, board games, puzzle boxes, and glow-in-the-dark coffee cups. There's even a gin named after the celebrity animal—boasting “a strong backbone of juniper.”

But its origin story is almost as mysterious as the scientific principle it was enlisted to illustrate. While

Austrian physicist **Erwin Schrödinger** concocted the conceit of the cat, he was not the one who popularized it. The fictitious animal only really entered wider public consciousness after American science-fiction and fantasy writer **Ursula K. Le Guin** published a short story called “*Schrödinger's Cat*,” 50 years ago. It was just one of dozens of works published by **Le Guin**, who died in 2018 after a

long and celebrated career.

Schrödinger originally invented the cat image as a gag. If true believers in quantum mechanics are right that the microworld's uncertainties are dispelled only when we observe it, **Schrödinger** felt, this must also sometimes happen in the macroworld, an absurdity that violates common sense. Writing in a paper published in 1935 in the German-language journal

Naturwissenschaften, he presented his famous cat-in-a-box image to demonstrate just how foolish this notion was.

For a while, few paid attention. According to an Ngram search of Google Books carried out by **Steven French**, a philosopher of science at the University of Leeds, there were no citations of the phrase “Schrödinger's cat” in the literature for almost 20 years. As French describes in his 2023 book, *A Phenomenological Approach to Quantum Mechanics*, the first reference appeared in a footnote to an essay by the Austrian philosopher **Paul Feyerabend** in the 1957 book *Observation and Interpretation in the Philosophy of Physics*.

The American philosopher and logician **Hilary Putnam** first learned of Schrödinger's cat around 1960. “I always assumed the physics community was familiar with the idea,” **Putnam** later recalled, but he found few who were. In his 1965 paper “*A philosopher looks at quantum mechanics*,” **Putnam** called it “absurd” to say that human observers determine what exists. But he was unable to refute the idea.

Invoking **Schrödinger's** image, **Putnam** found that we are

indeed unable to say, “that the cat is either alive or dead, or for that matter that the cat is even a cat, as long as no one is looking.” **Putnam** had another worry, too. Quantum formalism required that if he looked at a quantum event, it would throw him into superposition, the limbo of being in various states at the same time. **Putnam** concluded at the time that, “no satisfactory interpretation of quantum mechanics exists today.”

It was another decade before the cat and its bizarre implications leapt into popular culture. In 1974 **Le Guin** published *The Dispossessed*, an award-winning book about a physicist whose new, relativistic theory of time draws him into the politics of the pacifist-anarchist society in which he lived. According to author **Julie Phillips**, who is writing a biography of the fantasy writer, **Le Guin** read up on relativity theory to help her make her character's “theory of simultaneity” sound plausible.

“My best guess,” **Phillips** wrote in an email to me, “is that she discovered Schrödinger's cat while doing

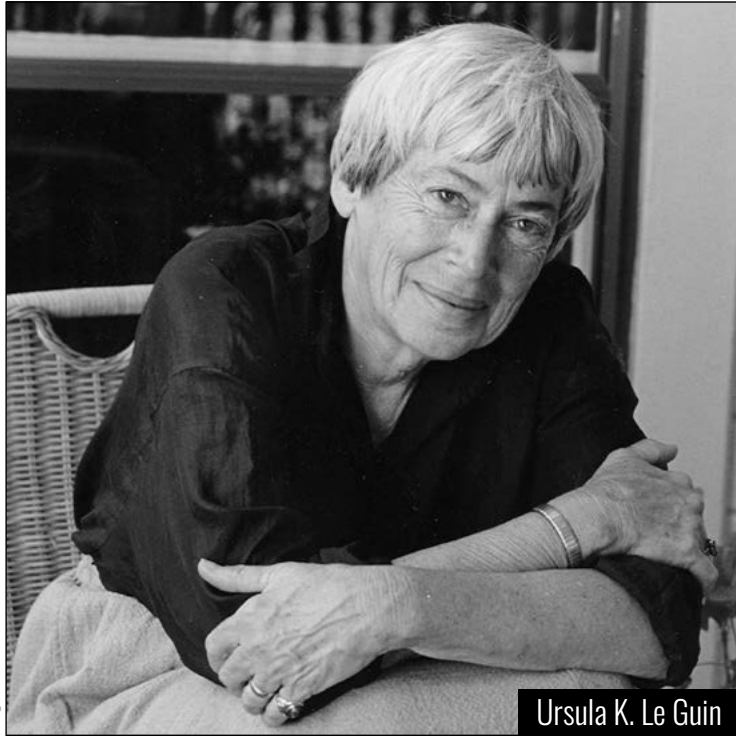


Image: Marian Wood Kolisch / Wikimedia Commons

Ursula K. Le Guin

research for the novel.” **Le Guin**, it appears, seems to have read Putnam’s article around 1972. “The Cat & the apparatus exist, & will be in State 0 or State 1, IF somebody looks,” **Le Guin** wrote in a note to herself. “But if he doesn’t look, we can’t say they’re in State 0, or State 1, or in fact exist at all.”

Unlike **Putnam**, **Le Guin** was entranced by the implied uncertainties and appreciated the fantastic nature of **Schrödinger’s** image. “If we can say nothing about the definite values of micro-observables, when not measuring them,

except that they exist, then their existence depends on our observation & measurement,” she wrote in her notes.

In “*Schrödinger’s Cat*,” which **Le Guin** finished in September 1972 but didn’t publish for another two years, an unnamed narrator senses that “things appear to be coming to some sort of climax.” A yellow cat appears. The narrator grieves but doesn’t know why. A musical note makes her want to cry but she doesn’t know for what —and thinks the cat knows but is unable to tell her. She then remembers **Michelangelo’s** painting *The Last*

Judgment, of a man dragged down to hell who clamps a hand over one eye in horror but keeps the other eye open and clear. The doorbell rings and in walks **Rover**, a dog.

Rover pulls a box out of his knapsack with a quantum-mechanical gadget that will either shoot or not shoot the cat once it gets inside and the lid is closed. Before we open the lid, **Rover** says, the cat is neither dead nor alive. “So it is beautifully demonstrated that if you desire certainty, any certainty, you must create it yourself.”

The narrator is not sure. Don’t we ourselves get “included in the system,” aren’t we still inside an even bigger box? She’s reminded of the Greek legend of Pandora, who opens her box and lets out all its evil contents. She and **Rover** open the lid —but find the box empty.

The house roof flies off “just like the lid of a box” and “the unconscionable, inordinate light of the stars” shines down. The narrator finally identifies the musical note, whose tone has become much clearer now that the stars are visible. The narrator wonders whether the cat knows what it was they had lost.

Le Guin’s story was soon followed by fictional and non-fictional treatments of

quantum mechanics by other writers in which **Schrödinger’s** cat is a major figure. Examples include **Robert Anton Wilson’s** *Schrödinger’s Cat Trilogy*; **H.R. McGregor’s** *Schrödinger’s Baby: A Novel*; **Adam Felber’s** *Schrödinger’s Ball: A Novel*; **Ryan Boudinot’s** *Blueprints of the Afterlife*. There have also been a number of short stories including **F. Gwynplaine MacIntyre’s** “*Schrödinger’s Cat-Sitter*” from 2001.

Phillips calls **Le Guin’s** “*Schrödinger’s Cat*” a “slight, playful story with an

undercurrent of sorrow,” and warned me not to overthink it. “You could think of it as ‘a fantasy writer looks at quantum mechanics,’” she explained, adding that **Le Guin** wrote in her journal that fantasy as a genre and physics as a science are approaches to reality that reject common sense. “I think,” **Phillips** concluded, “she may have been playing around with her sense, at that moment, that physics was another way of expressing the fantastic.”

If so, **Le Guin** certainly found the right image.



Image: www.freeplik.es

Read full text by Robert P. Crease at Physics World: <https://physicsworld.com/a/ursula-le-guin-the-pioneering-author-we-should-thank-for-popularizing-schrodingers-cat/>

BE WISE & HAVE FUN



Ambient Weather WS-2902. This personal Wi-Fi weather station allows you to monitor indoor and outdoor conditions, including wind speed, wind direction, rainfall, UV, solar radiation, barometric pressure, temperature (F and C), humidity, dew point, heat index and wind chill. ambientweather.com



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32°N WHARTON glasses. Equipped with Deep Optics' novel and patented Liquid Crystal tunable lens technology. This allows dynamic focus changing from 0 to 2.5 diopters with a 0.25D precision. The app can update glasses prescription whenever it changes. 32northglasses.com

Say what?
 "I made a huge to-do list today. I just need to figure out who's going to do it."
 Source: 100 Funny sayings that are definitely worth memorizing. www.rd.com



Plant terrarium. A living work of art that is maintenance-free with stylish built-in lighting. This gift exudes ease and durability, perfect for symbolizing growth and flourishing in any relationship. www.greengifts.nl



"Now, under the neoliberal regime of auto-exploitation, people are turning their aggression against themselves. This auto-aggressivity means that the exploited are not inclined to revolution so much as depression."
Byung-Chul Han (1959–). South Korean-born philosopher and cultural theorist living in Germany. Author of *The Burnout Society*.

Image: www.elimundo.es

BACHELOR'S DEGREE

Theology

SCHOOL OF SOCIAL AND HUMAN STUDIES



Image: www.freepik.es

The Bachelor of Theology (BA) program objective is to help students who are planning to invest their lives in church or mission vocations to achieve the desired level of knowledge through biblical and theological studies. The Bachelor of Theology (BA) program is offered online via distance learning. After evaluating both academic record and life experience, AIU staff working in conjunction with Faculty and Academic Advisors will assist students in setting up a custom-made program, designed on an individual basis. This flexibility to meet student needs is seldom found in other distance learning programs. Our online

program does not require all students to take the same subjects/courses, use the same books, or learning materials. Instead, the online Bachelor of Theology (BA) curriculum is designed individually by the student and academic advisor. It specifically addresses strengths and weaknesses with respect to market opportunities in the student's major and intended field of work. Understanding that industry and geographic factors should influence the content of the curriculum instead of a standardized one-fits-all design is the hallmark of AIU's unique approach to adult education. This philosophy addresses the

dynamic and constantly changing environment of working professionals by helping adult students in reaching their professional and personal goals within the scope of the degree program.

IMPORTANT: Below is an example of the topics or areas you may develop and work on during your studies. By no means is it a complete or required list as AIU programs do not follow a standardized curriculum. It is meant solely as a reference point and example. Want to learn more about the curriculum design at AIU? Go ahead and visit our website, especially the Course and Curriculum section: <https://www.aiu.edu/academic-freedom-and-open-curriculum/>

Orientation Courses:

- Communication & Investigation (Comprehensive Resume)
- Organization Theory (Portfolio)
- Experiential Learning (Autobiography)
- Academic Evaluation (Questionnaire)
- Fundament of Knowledge (Integration Chart)
- Fundamental Principles I (Philosophy of Education)
- Professional Evaluation (Self Evaluation Matrix)
- Development of Graduate Study (Guarantee of an Academic Degree)

Core Courses and Topics

- Introduction to Theology
- Biblical Studies
- Church History
- Systematic Theology

- Ethics and Morality
- Comparative Religion
- Philosophy of Religion
- Pastoral Care and Counseling
- Homiletics
- Church Leadership and Administration
- Liturgical Studies
- Mission and Evangelism
- Understanding the Bible
- Dynamics of World Religion
- Hebrew Script Post Bible Judaism
- The Church
- Understanding of Faith
- Christian Sacraments
- Contemporary Religious Education
- Women in the Church
- Theology of the Liturgy

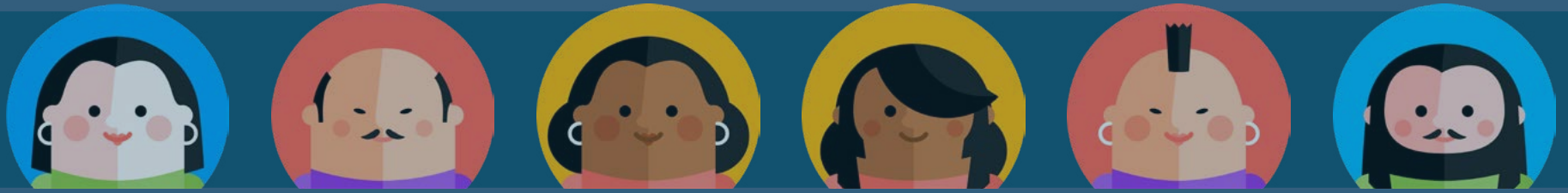
Research Project

- Bachelor Thesis Project
- MBM300 Thesis Proposal
- MBM302 Bachelor Thesis (5,000 words)

Publication. Each graduate is encouraged to publish their research papers either online in the public domain or through professional journals and periodicals worldwide.

CONTACT US TO GET STARTED

Submit your **Online Application**, paste your resume and any additional comments/questions in the area provided. aiu.edu/apply-online.html
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 900 Fort Street Mall 905
 Honolulu, HI 96813
 800-993-0066 (Toll Free in US)
 808-924-9567 (Internationally)



about us

Atlantic International University offers distance learning degree programs for adult learners at bachelors, masters, and doctoral level. With self paced program taken online, **AIU** lifts the obstacles that keep professional adults from completing their educational goals. Programs are available throughout a wide range of majors and areas of study. All of this with a philosophical-holistic approach towards education fitting within the balance of your life and acknowledging the key role each individual can play in their community, country, and the world.

Accreditation



Atlantic International University is accredited by the Accreditation Service for International Schools, Colleges and Universities (ASIC). ASIC Accreditation is an internationally renowned quality standard for colleges and universities. Visit ASIC's Directory of Accredited Colleges and Universities. ASIC is a member of CHEA International Quality Group (CIQG) in the USA, an approved accreditation body by the Ministerial Department of the Home Office in the UK, and is listed in the International Directory of the Council for Higher Education Accreditation (CHEA). The University is based in the United States and was established by corporate charter in 1998.

Our founding principles are based on the United Nations Universal Declaration of Human Rights; per article 26, **AIU** believes that Higher Education is a Human Right. The University has implemented a paradigm shifting educational model for its academic programs that have allowed it to move closer to this goal through the self-empowerment of its students, decentralization of the learning process, personalized open curriculum design, a sustainable learning model, developing 11 core elements of the Human Condition within **MYAIU**, and utilizing the quasi-infinite knowledge through the use of information technology combined with our own capacity to find solutions to all types of global issues, dynamic problems, and those of individuals and multidisciplinary teams. Due to these differentiations and the university's mission, only a reputable accrediting agency with the vision and plasticity to integrate and adapt its processes around **AIU**'s proven and successful innovative programs could be selected. Unfortunately, the vast majority of accrediting agencies adhere to and follow obsolete processes and requirements that have outlived their usefulness and are in direct conflict with the university's mission of offering a unique, dynamic, affordable, quality higher education to the non-traditional student (one who must work, study what he really needs for professional advancement, attend family issues, etc.).

We believe that adopting outdated requirements and processes would impose increased financial burdens on students while severely limiting their opportunities to earn their degree and advance in all aspects. Thus, in selecting the ASIC as its accrediting agency, **AIU** ensured that its unique programs would not be transformed into a copy or clone of those offered by

the 10,000+ colleges and universities around the world. Since ASIC is an international accrediting agency based outside the United States, we are required by statute HRS446E to place the following disclaimer: ATLANTIC INTERNATIONAL UNIVERSITY IS NOT ACCREDITED BY AN ACCREDITING AGENCY RECOGNIZED BY THE UNITED STATES SECRETARY OF EDUCATION. Note: In the United States and abroad, many licensing authorities require accredited degrees as the basis for eligibility for licensing. In some cases, accredited colleges may not accept for transfer courses and degrees completed at unaccredited colleges, and some employers may require an accredited degree as a basis for eligibility for employment. Potential students should consider how the above may affect their interests, **AIU** respects the unique rules and regulations of each country and does not seek to influence the respective authorities. In the event that a prospective student wishes to carry out any government review or process in regards to his university degree, we recommend that the requirements of such are explored in detail with the relevant authorities by the prospective student as the university does not intervene in such processes.

AIU students can be found in over 180 countries, they actively participate and volunteer in their communities as part of their academic program and have allocated thousands of service hours to diverse causes and initiatives. **AIU** programs follow the standards commonly used by colleges and universities in the United States with regards to the following: academic program structure, degree issued, transcript, and other graduation documents.



AIU graduation documents can include an apostille and authentication from the US Department of State to facilitate their use internationally.

The AIU Difference

It is acknowledged that the act of learning is endogenous, (from within), rather than exogenous. This fact is the underlying rationale for "Distance Learning", in all of the programs offered by **AIU**. The combination of the underlying principles of student "self instruction", (with guidance), collaborative development of curriculum unique to each student, and flexibility of time and place of study, provides the ideal learning environment to satisfy individual needs. **AIU** is an institution of experiential learning and nontraditional education at a distance. There are no classrooms and attendance is not required.

Mission & Vision

MISSION: To be a higher learning institution concerned about generating cultural development alternatives likely to be sustained in order to lead to a more efficient administration of the world village and its environment; exerting human and community rights through diversity with the ultimate goal of the satisfaction and evolution of the world. **VISION:** The empowerment of the individual towards the convergence of the world through a sustainable educational design based on andragogy and omniology.

Organizational Structure

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FACULTY AND STAFF PAGE:
<https://www.aiu.edu/faculty/>

School of Business and Economics



THE SCHOOL OF BUSINESS AND ECONOMICS allows aspiring and practicing professionals, managers, and entrepreneurs in the private and public sectors to complete a self paced distance learning degree program of the highest academic standard.

The ultimate goal is to empower learners and help them take advantage of the enormous array of resources from the world environment in order to eliminate the current continuum of poverty and limitations.

Degree programs are designed for those students whose professional experience has been in business, marketing, administration,

economics, finance and management.

Areas of study: Accounting, Advertising, Banking, Business Administration, Communications, Ecommerce, Finance, Foreign Affairs, Home Economics, Human Resources, International Business, International Finance, Investing, Globalization, Marketing, Management, Macroeconomics, Microeconomics, Public Administrations, Sustainable Development, Public Relations, Telecommunications, Tourism, Trade.

School of Social and Human Studies



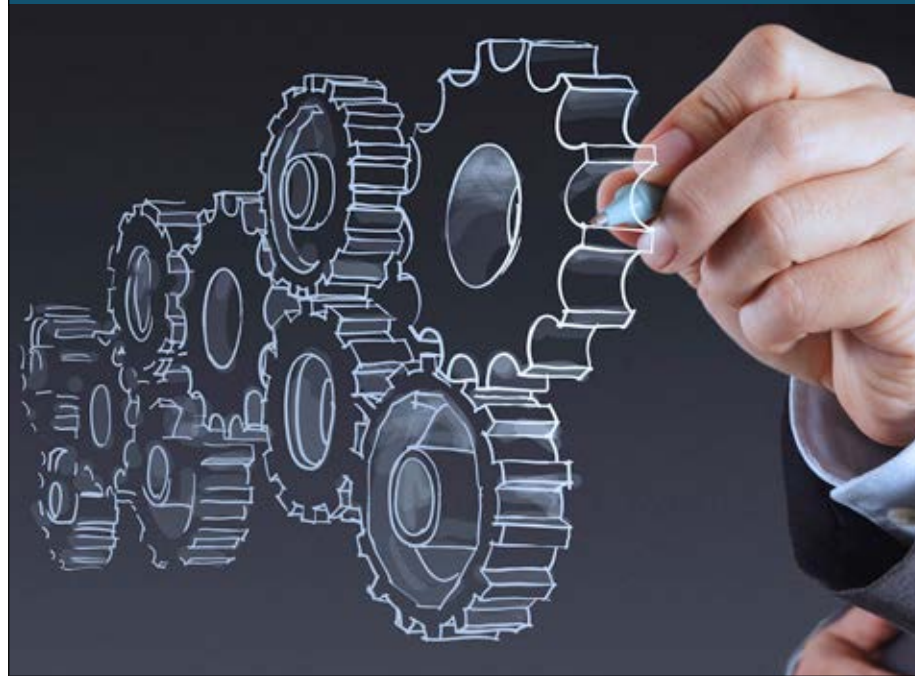
THE SCHOOL OF SOCIAL AND HUMAN STUDIES is focused on to the development of studies which instill a core commitment to building a society based on social and economic justice and enhancing opportunities for human well being.

The founding principles lie on the basic right of education as outlined in the Declaration of Human Rights. We instill in our students a sense of confidence and self reliance in their ability to access the vast opportunities available through information channels, the world wide web, private, public, nonprofit, and nongovernmental organizations in an ever expanding global community.

Degree programs are aimed towards those whose professional life has been related to social and human behavior, with the arts, or with cultural studies.

Areas of Study: Psychology, International Affairs, Sociology, Political Sciences, Architecture, Legal Studies, Public Administration, Literature and languages, Art History, Ministry, African Studies, Middle Eastern Studies, Asian Studies, European Studies, Islamic Studies, Religious Studies.

School of Science and Engineering



THE SCHOOL OF SCIENCE AND ENGINEERING seeks to provide dynamic, integrated, and challenging degree programs designed for those whose experience is in industrial research, scientific production, engineering and the general sciences. Our system for research and education will keep us apace with the twenty-first century reach scientific advance in an environmentally and ecologically responsible manner to allow for the sustainability of the human population. We will foster among our students a demand for ethical behavior, an appreciation for diversity, an understanding of scientific investigation, knowledge of design innovation, a

critical appreciation for the importance of technology and technological change for the advancement of humanity.

Areas of Study: Mechanical Engineering, Industrial Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Computer Engineering, Physics, Chemistry, Biology, Mathematics, Communications, Petroleum Science, Information Technology, Telecommunications, Nutrition Science, Agricultural Science, Computer Science, Sports Science, Renewable Energy, Geology, Urban Planning.

Online Library Resources



WITH ACCESS TO A GLOBAL CATALOG created and maintained collectively by more than 9,000 participating institutions, **AIU** students have secured excellent research tools for their study programs.

The **AIU** online library contains over 2 billion records and over 300 million bibliographic records that are increasing day by day. The sources spanning thousands of years and virtually all forms of human expression. There are files of all kinds, from antique inscribed stones to e-books, from wax engravings to MP3s, DVDs and websites. In addition to the archives, the library **AIU** Online offers electronic access to more than 149,000 e-books, dozens of databases and more than 13 million full-text articles with pictures included. Being able to access 60 databases and 2393 periodicals with more than 18 million items, guarantees the information required to perform the assigned research project. Users will find that many files are enriched with artistic creations on the covers, indexes, reviews, summaries and other information. The records usually have information attached from important libraries. The user can quickly assess the relevance of the information and decide if it is the right source.

Education in the 21st century

AIU Service

AIU is striving to regain the significance of the concept of education, which is rooted into the Latin “educare”, meaning “to pull out”, breaking loose from the paradigm of most 21st century universities with their focus on “digging and placing information” into students’ heads rather than teaching them to think.

For **AIU**, the generation of “clones” that some traditional universities are spreading throughout the real world is one of the most salient reasons for today’s ills. In fact, students trained at those educational institutions never feel a desire to “change the world” or the current status quo; instead, they adjust to the environment, believe everything is fine, and are proud of it all.

IN A WORLD where knowledge and mostly information expire just like milk, we must reinvent university as a whole in which each student, as the key player, is **UNIQUE** within an intertwined environment.

This century’s university must generate new knowledge bits although this may entail its separation from both the administrative bureaucracy and the faculty that evolve there as well.

AIU thinks that a university should be increasingly integrated into the “real world”, society, the economy, and the holistic human being. As such, it should concentrate on its ultimate goal, which is the student, and get him/her deeply immersed into a daily praxis of paradigm shifts, along with the Internet and research, all these being presently accessible only to a small minority of the world community.

AIU students must accomplish their self-learning mission while conceptualizing it as the core of daily life values through the type of experiences that lead to a human being’s progress when information is converted into education.

The entire **AIU** family must think of the university as a setting that values diversity and talent in a way that trains mankind not only for the present but above all for a future that calls everyday for professionals who empower themselves in academic and professional areas highly in demand in our modern society.

We shall not forget that, at **AIU**, students are responsible for discovering their own talents and potential, which they must auto-develop in such a way that the whole finish product opens up as a flower that blossoms every year more openly.

THE AIU STANCE is against the idea of the campus as a getaway from day-to-day pressure since we believe reality is the best potential-enhancer ever; one truly learns through thinking, brainstorming ideas, which leads to new solutions, and ultimately the rebirth of a human being fully integrated in a sustainable world environment. Self-learning is actualized more from within than a top-down vantage point, that is to say, to influence instead of requesting, ideas more than power. We need to create a society where solidarity, culture, life, not political or economic rationalism and more than techno structures, are prioritized. In short, the characteristics of **AIU** students and alumni remain independence, creativity, self-confidence, and ability to take risk towards new endeavors. This is about people’s worth based not on what they know but on what they do with what they know.

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