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The course “Transdisciplinarity”, Doctoral school “European Paradigm”, Faculty of European Studies

Contents:

The course “Transdisciplinarity” offers the study of the methodology of transdisciplinarity, with applications both to exact and human sciences. We analyze the sources of the three postulates of transdisciplinarity – levels of reality, logic of the included middle and complexity – not only in quantum physics and quantum cosmology but also in religion, psychoanalysis, law studies, economy, sociology arts and literature and we describe the perspectives of applications in different fields of knowledge.

Method: Courses and seminars (modular).

Objective: Knowledge of the flux of information which circulates in between different disciplines, crosses them and goes beyond any discipline.

Finality: The course facilitates the global understanding of the present world and offers the possibility of flexibility in passing during the lifetime of the person – unavoidable in the future – from one job to another job.

Acquired competences: development of awareness of the unity of knowledge, development of the capacity of passing from the representations of a given discipline to representations of another discipline, the power of detecting the hidden assumptions in a given representation, development of capacity of innovation and creativity, development of the awareness of the link between laws of nature and human laws, development of capacity of taking rational and realistic decisions in situations of high complexity.

I. Obligatory bibliography:

1. Basarab Nicolescu, *Qu'est-ce que la Réalité?*, Liber, Montréal, 2009.

2. Basarab Nicolescu, *Transdisciplinarité - Manifeste*, Rocher, Paris, 1996.
3. Basarab Nicolescu, *Nous, la particule et le monde*, Rocher, Paris, 2002.
4. Basarab Nicolescu, *L'homme et le sens de l'univers - Essai sur Jakob Böhme*, Félin/Philippe Lebaud, Paris, 1995.

II. Complementary bibliography:

1. Horia Bădescu, *La mémoire de l'Etre – La poésie et le sacré*, Rocher, Paris, 2000.
2. Ian G. Barbour, *When science meets religion*, Harper and Collins, USA, 2000.
3. Corin Braga, *De la arhetip la anarhetip*, Polirom, Iași, 2006.
4. Lucian Ciolan, *Învățarea integrată – Fundamente pentru un curriculum transdisciplinar*, Polirom, Iași, 2008.
5. Pompiliu Crăciunescu, *Strategiile fractale*, Junimea, Iași, 2003.
6. Gilles Gaston Granger, *L'Irrationnel*, Odile Jacob, Paris, 1998.
7. Thierry Magnin, *Entre science et religion*, Rocher, Paris, 1998.
8. Basarab Nicolescu (Ed.), *Transdisciplinarity – Theory and Practice*, Hampton Press, USA, 2008.
9. Internet site - International Centre for Transdisciplinary Studies (CIRET)
<http://basarab.nicolescu.perso.sfr.fr/ciret/index.htm>
10. Cassian Maria Spiridon, *Aventurile terțului*, Curtea Veche, București, 2009.

III. Educational materials: The books given in the obligatory bibliography can be sent by the professor to the student in the form of electronic files.

IV. Schedule of lectures and seminars:

1. *The scientific methodology.*
2. *What is the modern science?*
3. *Quantum mechanics as foundation of quantum physics.*
4. *Quantum physics – exemplar case of the scientific methodology.*
5. *Classical realism and quantum realism.*

6. *The bootstrap principle.*
7. *Classical logic and quantum logic.*
8. *The imagination in thje scientific creativity.*
9. *Contemporary physics and European tradition.*
10. *Elements of history of transdisciplinarity.*
11. *The basic documents of transdisciplinarity.*
12. *The ontological postulate of transdisciplinarity – levels of Reality.*
13. *The zone of non-resistance of Reality.*
14. *The logic postulate of transdisciplinarity – the logic of the included middle.*
15. *The epistemological postulate of transdisciplinarity – complexity.*
16. *The transdisciplinary hermeneutics.*
17. *Applications of transdisciplinarity.*

V. Evaluation criteria:

The exam consists in the elaboration of a transdisciplinary project under the form of a 10-20 pages text, in which the student must cover all aspects of the project he/she imagines (exhibition, workshop, etc.), from methodological aspects till the financial ones for its realization. We will take into account also the active participation at the course.

**PhD Thesis in Philosophy (Transdisciplinary Studies),
Babes-Bolyai University of Cluj-Napoca / Universitatea
Babes-Bolyai din Cluj-Napoca, Cluj-Napoca, Romania
directed by Basarab Nicolescu**

General description

Educational Programme	PhD Programme in Philosophy (Transdisciplinary Studies)
Degree Awarded	PhD
Standard Length of Studies (Number of ECTS Credits)	3 years - 6 semesters - 180 ECTS
Type of Study	Full-Time
Higher Education Institution	Babes-Bolyai University
Faculty / Department	Faculty of European Studies
Contact Person	Prof. Dr. DrHC Basarab Nicolescu
Phone	0033140353694
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E-mail	nicol@club-internet.fr
Profile of the Degree Programme	PhD in Philosophy
Target Group / Addressees	Higher education graduates with a diploma in different disciplines, who have completed the secondary cycle of master studies or equivalent.
Entrance Conditions	A comprehensive exam and research project
Further Education Possibilities	Postdoctoral programmes
Description of Study	It develops modern and advanced understanding of links between exact and human sciences, facts, people, cultures and religions, based on the transdisciplinary methodology. This doctoral study programme aims to increase the attractiveness of the graduate school and reach interested national and international doctoral candidates of all ages.
Purposes of the Programme	The Transdisciplinary Studies Programme aims to develop outstanding specialists capable of becoming experts and social workers in national and international institutions, in the public and private sector.
Specialization / Area of Expertise	Reform and curricula in secondary and higher education Dialogue between cultures Dialogue between religions

	Social work Theory of decision Transdisciplinary and interdisciplinary research Science and spirituality
Extra Peculiarities	-
Practical Training	Teaching seminar classes. Methodology of research.
Final Examinations	Research thesis
Gained Abilities and Skills	⇒ Research skills ⇒ Management and leadership skills ⇒ Dialogue skills ⇒ Ability to work in multi-, inter- and transdisciplinary settings ⇒ Ability for complexity management ⇒ Ability to work in multicultural and multireligious settings
Job Placement, Potential Field of Professional Activity	Research and teaching positions Positions in human resource management, NGO management, logistics departments in different sized companies, social work Journalism, mass-media, humanitarian work

DOCTORANDS

1. **Petrisor-Claudiu Militaru**, Surrealism and Modern Science - A Transdisciplinary Approach / *Suprarealismul și știința modernă - O abordare transdisciplinară*
2. **Silvia Mihaela Grigorean**, "The Gospel According to Thomas" - Transdisciplinary Hermeneutics / "Evangelhia după Toma" – Hermeneutică transdisciplinară
3. **Anca Cristina Mustea**, Transdisciplinary Approach of the Need for the Sacred in the Contemporary Society / *O abordare transdisciplinară a nevoii de sacru în societatea contemporană*
4. **Gabriela Ligia Popescu**, Psychology of the Religious Behaviour / Psihologia comportamentului religios
5. **Marius Cristian Ene**, René Daumal (1908-1944) – From Poetry to Experimental Metaphysics / René Daumal (1908-1944), de la poezie la metafizică experimentală
6. **Maria Lucia Mureșan**, A Transdisciplinary Model of Communication / Un model transdisciplinar al comunicării
7. **Florian Negruțiu**, Religion and Science – A Critical Analysis of the „Scientific Theology” of Alister McGrath / Religie și știință: O analiză critică a "teologiei științifice" a lui Alister McGrath
8. **Dana Lăcrămioara Oltean**, Esthetical, Intercultural and Transcultural Education as Motivation Strategies for Learning French Language /

Educația estetică, interculturală și transculturală ca strategii motivaționale în învățarea limbii franceze

9. **Cantemir Mambet**, Transdisciplinary Approach of Risk Management and Decisional Processes / Abordarea transdisciplinară a gestiunii și management-ului riscurilor și al proceselor decizionale
10. **Gabriela Nica**, Gothic Cathedral as Mean of Knowledge Transmission / Catedrala gotică - mijloc de transmitere a cunoașterii
11. **Adrian Mirel Petrariu**, Levels of Reality in Social Systems / Niveluri de realitate în sistemele sociale
12. **Gabriela Toma**, Tanathological Representations in Romanian and Mexican Cultures – A Transdisciplinary Approach / Reprezentări tanatologice în spațiul românesc și mexican: o abordare transdisciplinară
13. **Aliteea-Bianca Turtureanu**, Translinguism and Transculture in the Work of Nancy Huston / Translinguisme et transculture dans l'œuvre de Nancy Huston
14. **Pascal Verniory**, For an Ethics of Author Rights – Rethinking the Author and His Creation Place in the Informational Society: Human Aspects or Hostages of the Cultural Industry? / Pour une éthique du droit d'auteur – Repenser la place de l'auteur et de sa création dans la société de l'information: révélateurs de l'humain ou otages de l'industrie culturelle?

15. **Marin Constantin Grigorean**, Transdisciplinary Understanding of the Ladder Symbol / O înțelegere transdisciplinară a simbolului scării

16. **Elena Luiza Mitu**, Eugène Ionesco and the Logic of Contradiction / Eugène Ionesco și logica contradictoriului

17. **Emil Hurezeanu**, Samuel Huntington and the Conflict of Civilizations / Samuel Huntington și conflictul civilizațiilor