**Humanities / Social Sciences**

**Philosophy and the human ideal**

Focus: Philosophy

In this course, we will explore the interdisciplinary nature of philosophy with its application in theoretical and practical domains of knowledge, across multiple dimensions of thought. After a lecture on the main orienting ideas, students will then partake in experiential learning activities to engage with the subject matter and to discover their intellectual and creative genius. The aim of this class is to equip participants with critical thinking skills about their ideal in life, future studies and career.

Professor: Humberto Schubert Coelho (UFJF), Adina Bezerita (Oxford-Cambridge research – UK)

Language: English

Mode of instruction: Online / Google Classroom

Courseload: 4h

Date&Time:July 28 & 31, from 9 to 11am

Target audience: undergraduate and graduate students

Spots available: 95

Sustainable Development Goals (SDG)

**Labour rights and the UN**

**Focus: Human Rights**

Protection of labour rights as human rights at the UN level.

Professor: Cynthia Lessa da Costa (UFJF), Elena Sychenko (University of Bologna  / University of Trento – Italy)

Language: English

Mode of instruction: Online / Google Classroom

Courseload: 2h

Date&Time: July 27, from 7 to 9am

Target audience: undergraduate and graduate students

Spots available: 95

Sustainable Development Goals (SDG): 8

**From precarious to decent work: the challenge of telework**

**Focus: Human Rights**

The course proposes to discuss the International Labour Organization´s Report, Convention and Recommendation on the matter of home based work. The first meeting will give the students the basis for the discussion and, on the second, the students will make their own assession on the matter at hand based on the lecture and the course material, which will be made available through Google drive.

Professor: Cynthia Lessa da Costa (UFJF)

Language: English

Mode of instruction: Online / Google Classroom

Courseload: 4h

Date&Time: July 28, from 7 to 9pm, and July 29, from 9 to 11am

Target audience: undergraduate and graduate students

Spots available: 30

Sustainable Development Goals (SDG): 8

**States of Exception in Theory and Pratice**

**Focus: Public Administration**

The term “state of exception” has a long history and has become increasingly recurrent in contemporary language. It is often used to point out conditions of current political and legal life, highlighting an exceptional fact or process that seems to be becoming natural in society. In a way, this perspective has links with a more precise theoretical and practical notion of a state of exception, but it is not limited to that. Historically, the exception is the means by which one seeks to defend the threatened sovereignty of the State and its institutions, even allowing the suspension of some rights and guarantees. In such a way, the state of exception is on the threshold between a crisis and lasting practices of government, which can, in the last instance, become dictatorships. This course aims to reflect on the theory and practice of states of exception in liberal democracies. For this, the course modules will address a general theory of the exception and its practices in Europe, the United States and South America.

**Professors**: Antonio Gasparetto Júnior (UFJF), Jorge González Jácome Universidad de los Andes – Colombia), Marie Goupy (Institut Catholique de Paris – France)

**Language**: English, Spanish, French

**Mode of instruction:** Online / Google Classroom

**Courseload:** 8h (synchronous) + 22h (assynchronous)

**Date&Time:** July 25-26 and August 1-2, from 3pm to 5pm

**Target audience:** undergraduate and graduate students

**Spots available:** 95

**Sustainable Development Goals (SDG):** 16

**Consumer Behaviour**

**Focus: Business**

It is expected that the student understands the importance of consumer behavior for managerial training, as well as a more specific knowledge of the theory of consumer behavior and the models of the main thinkers in the area. Knowledge of the discipline pr ovokes a critical analysis of understanding consumption.  
Program: 1. The school of consumer behaviour as part of the Theory of Marketing. 2. The economic theory of consumer behaviour. 3. Contributions of psychology, sociology, anthropology, semiotics and history to consumer behaviour. 4. Methods and techniques of qualitative and quantitative scope in the study of consumer behaviour. 5. Classical and contemporary international and national stud ies on consumer behaviour. 6. Consumer behaviour models. 7. International research: qualitative and quantitative articles on consumer behaviour. 8. Applications and trends of consumer behaviour in academic research and contributions to organizations.

**Professors**: Danilo de Oliveira Sampaio (UFJF), Rodrigo Ribeiro Coimbra (Universidade Woosong – South Korea)

**Language**: English

**Mode of instruction:** Online / Google Classroom

**Courseload:** 30h

**Date&Time:** July 17-28, from 9am to 12pm

**Target audience:** undergraduate and graduate students

**Spots available:** 25

**Sustainable Development Goals (SDG):** 3, 12

**Arts / Literature**

**Ceramics: Clean Art**

**Focus: Sustainable principles in handmade pottery**

When we talk about production of any nature, including artistic production, there is no other way than to think about sustainable ways through preventing or combating waste. It also means savings for those students/artists who are unable to spend money on expensive tools and structures. The beauty of ceramic production begins with the material itself, abundant, fully recyclable, non-toxic and highly organic. Most Brazilian teachers and artists have to deal with limitations in schools and ateliers. Creativity and adaptability are the true tools to continue producing without compromising the quality of both teaching and artistic production.

Ps: Some previous experience with pottery practice is a plus, due to make easier the discussion on themes and specification, although the content is prepared to lay audience interested in the subject.

Professor: Sandra Minae Sato (UFJF)

Language: English

Mode of instruction: Online / Google Classroom

Courseload: 6h

Date&Time: July 24-25, from 9am to 12pm

Target audience: undergraduate and graduate students

Spots available: 95

Sustainable Development Goals (SDG): 4, 6, 7, 8, 9, 11, 12, 15

**Piano performance as creative practice**

Focus: Music

This course covers strategies to develop imagination and creativity as resources to intensify the artistic qualities of a piano performance by proposing musical and non-musical activities to stimulate surpassing technical achievement and seeking to encounter musical meaning and communicative impact in piano playing. It also provides readings by relevant authors to support the idea of a Musicology of Performance, understanding the performer not only as a recreator of music but also as a creator.

Ps: Participants should preferably be musicians, but some of the topics discussed are of general interest to university students.

Professors: Fernando Vago Santana (UFJF), Irina Voro (University of Kentucky – USA)

Language: English

Mode of instruction: Online / Google Classroom

Courseload: 15h

Date&Time: July 24-28 (time to be confirmed)

Target audience: undergraduate and graduate students

Spots available: 95

Sustainable Development Goals (SDG): 4, 17

**An invitation to Literature and Digital Humanitites (HD)**

**Focus: Literature e Techonlogies**

Introducing the concept of the relationship between literature and HD. Technology has evolved with time and literature would be no different. Today I will show you its relationship with HD and how several areas of knowledge can relate to technology, without losing the initial core.

**Professors**: Marco Kistemann (UFJF), Fernanda Sevarolli Creston Faria (UFJF)

**Language**: English

Mode of instruction: Online / Google Classroom

**Courseload**: 4h

**Date&Time:**August 4, from 2pm to 6pm

**Target audience:** undergraduate and graduate students

**Spots available:** 95

**Sustainable Development Goals (SDG):**all

**STEM – Science, Technology, Engineering & Mathematics**

**What is complexity?**

**Focus: Philosophy of Science**

The complexity is one of the most remarkable features of the modern world. It can be characterized, maybe, as some lack of cognitive apprehension. But can the complexity itself be correctly apprehended by intelligence? In this course, I intend to answer this question by giving a very simple definition of complexity by using Aristotelian notions and explain what makes something complex. For instance, why Physics and Mathematics are so complicated?

Let’s try this:  
Class 1 – July 25th (Tuesday) 19h – 20h: Introduction to the duality Matter-Form  
Class 2 – July 26th (Wednesday) 19h – 20h: What is Complexity and Conclusions

Professor: Dr. Guilherme de Berredo Peixoto

Language: English

Mode of instruction: online / Google Classroom

Courseload: 2h

Date&Time:July 25-26, from 7 to 8pm

Target audience: undergraduate and graduate students

Spots available: 95

**Hands-on to Solve Particle Detection Tracks Using a High Resolution Camera (Based on The Cygno Experiment)**

**Focus: Engineering and Physics**

The course will be an opportunity to apply image processing concepts for the reconstruction of tracks produced by particles crossing a TPC (Time Projection Chamber) based detector. The course will be divided into three modules: (1) General introduction, (2) Filtering techniques and (3) clustering techniques. The main idea is to make the student apply such techniques in a real database made available by the CYGNO Experiment, founded by the Italian Institute of Nuclear Physics (INFN). Brazil, through our University (UFJF) and other institutes, is part of the CYGNO Collaboration.

**Professors:**Rafael Antunes Nóbrega (UFJF), Igor Abritta Costa (Università degli Studi Roma Tre – Italy)

**Language:**English

Mode of instruction: Online / Google Classroom

**Courseload:**10h

**Date&Time:**July 31 – August 4, from 2pm to 4pm

**Target audience:** undergraduate and graduate students

**Spots available:**95

**Sustainable Development Goals (SDG):**

**On The Mathematical Infinity**

**Focus: Math and its philosophy**

What is the mathematical infinity? I will try to explain in simple terms some essential aspects of the concept of infinity as it appears in math. It is a concept brought by numbers and is also related to the notion of continuum. Which are the basic kinds of numbers? In the end, I will present a very simple paradox and its solution by using the Aristotelian key “act-potency”.

Class 1, July 27, 7-8 pm – Numbers: naturals, integers, rationals, and irrationals (algebraic and transcendentals). Examples.  
Class 2, July 28, 7-8 pm – Some more features and questions, a simple paradox and the act-potency dimension.

**Professor:**Guilherme de Berredo Peixoto (UFJF)

**Language:**English

Mode of instruction: Online / Google Classroom

**Courseload:**2h

**Date&Time:**July, 27-28, from 7 pm to 8 pm

**Target audience:** undergraduate and graduate students

**Spots available:**95

**Sustainable Development Goals (SDG):**4

**Applied statistics for beginners**

**Focus: Statistics**

This course will cover basic analysis of data, from descriptive statistics to statistical inference, parametric and non-parametric. The main objective is to present suitable methodologies for different data sets and variables, covering the basics in order to help students reaching their courses monographies or starting on their post-graduation courses. Students will be encouraged to bring problems and data from their own researches.

PS: The professor use software R and R studio to do most if not all the analysis, so it would be good if all students could download these two free softwares beforehand.

**Professor:**Ângela Mello Coelho (UFJF)

**Language:**English

Mode of instruction: Online / Google Classroom

**Courseload:**10h

**Date&Time:**July 31 – August 4, from 10am to 12pm

**Target audience:** undergraduate and graduate students

**Spots available:**50

**Sustainable Development Goals (SDG):**4

**Ethnomatematics for beginners**

**Focus: Mathematics, Culture and Human Rights**

We will discuss what Ethnomathematics is and its potential for the cultural valorization of each social grouping. We will present cultural scenarios and their diversity of use of mathematics for the promotion of human rights and citizenship.

**Professors:**Marco Kistemann (UFJF), Milton Rosa (UFOP), Daniel Clarck Orey (Universidade de Sacramento – USA)

**Language:**English

Mode of instruction: Online / Google Classroom

**Courseload:**4h

**Date&Time:**August 3, from 2pm to 6pm

**Target audience:** undergraduate and graduate students

**Spots available:**95

**Sustainable Development Goals (SDG):**all