COURSE SYLLABUS
HuMaN vs Tech

A. General Information

1. **Unidad Académica**	Vicerrectoría de Pregrado						
2. **Carrera**	Track Ciencia, Tecnología e Innovación						
3. **Código**	TRC180						
4. **Ubicación en la malla**	Bachillerato/Licenciatura						
5. **Créditos**	8						
6. **Tipo de asignatura**	Obligatorio		Electivo	X	Optativo		
7. **Duración**	Bimestral		Semestral	X	Anual		
8. **Módulos semanales**	Clases Teóricas	2	Clases Prácticas		Ayudantía		
9. **Horas académicas**	Clases	68	Ayudantía				
10. **Pre-requisite**	None						

B. Contribution to the Graduate's Profile

Given the rapidly accelerating changes to the work environment, mainly those that have to do with the global environment, diversity and an interdisciplinary view the Universidad del Desarrollo has proposed to train its students through an Educational Project that, together with a solid disciplinary training and in coherence with the needs of the world of work, develop in the students new skills, competences and knowledge that allow them to successfully face the professional scenario that awaits them at the end of their undergraduate training. In this context, the courses Track or thematic routes arise whose objective is to contribute, through the extradisciplinary formation of the student, that this one participates of experiences of more enriching learning that prepare them for a changing labor world.

The Human v / s Tech course aims to provide students with the appropriate tools to analyze how innovation and disruption of technological development at the company level has repercussions on society in the areas of government legislation, privacy, and individual and corporate responsibility.

Students will be trained in the preparation and planning that allows them to thrive in the new world order of innovation, regardless of the type of enterprise: corporation, entrepreneurship, non-profit institutions, government institutions, etc.

The class will address introspective activities related to balancing and making ethical, moral & legal decisions, where they will discuss how to reconcile these decisions and function in an increasingly diverse and globalized environment uniquely enabled by technology and innovation.

This track blends humanities (sociology, cognition, epistemology and philosophy) will be mixed with science & technology in content and context. The course will be aligned to the generic competences UDD Future of Communication, Analytical Vision and Entrepreneurship and Leadership.

C. Competencies and General Learning Results developed by the course

Generic Competences	General Learning Results
Analytical vision	Analyze the different innovation models adopted by avant-garde companies through case studies of leading companies in their respective industries.
Communication	It explains the transformation generated by technology in society, industries, companies and individuals through the analysis of emblematic cases, discussions and debates.
Entrepreneurship and Leadership	Analyze from a global perspective the existing challenges in government legislation, infrastructure, opportunities within and between companies and the organizational challenges that this implies at present, through relevant literature review. Applies technologies such as Artificial Intelligence, Chatbots, Biometrics, Blockchain and 3D Fabrications, through introductory practical workshops.

D. Content Units and Learning Results

Unidades de Contenidos	Competencia	Resultado de Aprendizaje
Section 1. Society: 1. The digital world: Technology & Science 2. Sociology and Group Psychology 3. How the world works 4. Storytelling: Language of Life 5. Externalities: Government, Business, Technology, Law, Universities 6. How to build a valid argument. Fallacies.	• Analytical vision • Communication	Analyze the different elements that make up today's society and how these factors interrelate with each other, through guided discussion. Recognize who we are as a society, through bibliographic review Build valid arguments, recognizing frequent fallacies, through debates
Section 2: Individual: 1. Overview: Philosophy and psychology 2. Epistemology: What is intelligence? 3. Logic: Language of Machines 4. What is the hierarchy of data, information, meaning, knowledge, wisdom and its application? 5. Data and information privacy 6. Ethics: Values, Ethics and Morality.	• Analytical vision • Entrepreneurship & Leadership	Analyze different dimensions of the human being and how these characteristics allow us to feel, learn and move around the world, through guided discussions based on review of research articles. Reflect on who we are as an individual, through PBL Identify basic concepts of philosophy and psychology, through review of primary sources.
Section 3. Enterprise: 1. Cases and Models for managing innovation and technology 2. What to do when Ethics and profits are at odds 3. Decision making and ethical dilemas 4. Leadership and Locus of control: what decisions can and should be made? 5. Servant Leadership	• Analytical vision • Entrepreneurship & Leadership	Integrates the analysis of the individual and the Society in the context of business and technological development, through the study of cases. Reflect on decision making when faced with ethical dilemmas, through the study of real situations.

E. Teaching Strategies

The learning experience focuses on creating a fertile context for experimentation, where students using problem-based learning methodology (PBL), case studies and debates, develop critical reflective thinking, discussing contingent topics of the present.

F. Evaluation strategies

Competencies will be evaluated using various tools and providing guidelines with clear evaluation criteria:

Knowledge tests, analysis and comprehension: summative evaluation. The objective is to verify the degree of mastery and clarity of knowledge and skills developed. The questions will be focused on analysis, deep understanding and the incentive of autonomous and critical thinking.

Research activities: the objective is for students to select a topic of interest and academic relevance related to the knowledge of the course, then investigate in various sources and finally develop an original and well-argued proposal.

Group presentations: the objective is for students to coordinate and work collaboratively to present their research and analysis work in a logical, clear and concise manner.

Assistance Requirement:

The course includes a mandatory attendance requirement, which implies that a maximum of 6 absences will be allowed for all students, counted from the completion of the Eliminate-Agrega process, which is indicated in the respective academic calendar. The student who does not comply with this requirement will not have the right to take the Final Exam, according to the Academic Regulations of the Regular Student. In the case of students pursuing a law degree, their maximum absence will be of 4 classes completed the Eliminate process - Add up to the date established in the document "Procedure of Justifications of Absence in Track Courses for law students".

G. Learning Resources

Mandatory reading

- Holiday, Ryan, "The obstacle is the way: the timeless art of turning trials into triumph", Ed. Penguin Books, New York, 2014.

- Carnegie, Dale, "How to win friends and influence people", Ed. Pocket Books, New York, 1968.

- Tzu, Sun, "The Art of War", Ed. Digireads, Kansas, 2018.

- Pressfield, Steven, "The War of Art: Break through the blocks and win your inner creative battles", Ed. Black Irish Entertainment LLC, New York, 2012.

- Holliday, Ryan, "Ego is the Enemy", Ed. Portfolio, New York, 2016.

- Pink, Daniel H., "To sell is human: the surprising truth about moving others", Ed. Riverhead Books, New York, 2012.

- Ury, William, "Getting to yes with yourself: how to get what you truly want", Ed. Harper Collins, New York, 2015.

- Leonhard, Gerd, "Technology v/s humanity", Ed. Fast Future Publishing, New York, 2016.