A model: Integrating Humanities into Science and Engineering Programs

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First Experiences as Director of Humanities

Challenge:

Develop a program that would bring about a transdisciplinary understanding of sciences and engineering that should transpire into students’ mindset and attitudes.

Meetings with Consulting Committee of the Humanities Dept at UTEC.

Insights:

• “As CEO, most of my job is related to talent management” (Humberto Nadal - CEO of Cementos Pacasmayo)

• “Empower students to the point they develop a voice of their own so they can stand up for themselves” (Roberto Lerner - Psychoanalyst)

• “Make it fun for students!” (Humberto Polar - Publicist)
Envisioning the program & landing a structure

First structure responded to managerial needs and a linear understanding of coordination and responsibilities.

• Finding the right co-pilots
• Content-centered

Second structure responded to a competencies development focus and a cyclical understanding of education.

• Learner-centered
• Transdisciplinary Faculty
# First Structure of Humanities Program

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gabriela Pella</td>
<td>Talia Tijero</td>
<td>Marita Ibañez</td>
<td>Jose Carlos Saavedra</td>
<td>Antuané de la Flor</td>
<td>Carolina Malbrán</td>
</tr>
<tr>
<td>Introducción al Desarrollo de Empresa</td>
<td>Lab.com 0</td>
<td>Desafíos Globales</td>
<td>Perú: ¿País Industrial?</td>
<td>Ética y Tecnología</td>
<td>Inglés 0</td>
</tr>
<tr>
<td>Gestión de Empresa</td>
<td>Lab Com 1</td>
<td>Arte y Tecnología</td>
<td>Economías en Desarrollo</td>
<td>Ímagen y Marca Personal</td>
<td>Inglés 1</td>
</tr>
<tr>
<td>Innovación y Desarrollo de Productos</td>
<td>Lab. Com 2</td>
<td>Crítica de la Modernidad - Jaime Villanueva</td>
<td>Gobernanza y Distribución de Poder</td>
<td>Liderazgo y Negociación</td>
<td>Inglés 2</td>
</tr>
<tr>
<td>Emprendedores en acción (2017-1)</td>
<td>Intro. al Quechua (2017-1)</td>
<td></td>
<td>Behavioral Economics (2017-2)</td>
<td>Intro. a Neurociencias (2017-2)</td>
<td>Inglés 3 y 4</td>
</tr>
</tbody>
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Current Structure of Humanities Program

- Governance & Power
- Developing Economies
- Negotiation and Leadership
- Personal Branding
- Ethics & Tech
- Global Challenges
- Art & Tech
- Critique of Modernity
- Innovation & Product Development
- Scaling a business
- Intro. to business
- Elective courses in English
- English 1-2
- English 3-4
- Comm. Lab
- Peru: Industrial Country?
- Geopolitics of Water
Implemented strategies so far

- Educational Model: Integrated Learning Experience
- 10 min. introductory meditation/breathing exercises in Communication Labs 1, 2 & 3
- Transdisciplinary courses (e.g. Peru: Industrial Country?, Geopolitics of Water, The origin of the Cosmos, Designing Fictions)
- Disruptive workshops: voices hacking the system
- Transdisciplinary profile of faculty and co-teaching experiences
- “UTEC goes Quechua” initiative
Next steps

• Partnership with Transdisciplinary Studies Program at Purdue

• Transdisciplinary trend: Faculty development programs

• Collaborative courses: Humanities + Engineering