

# From Order and Back and Back Again

“Most people understand the growth of small disturbances leading to *chaos*, but the formation of many structures relies on establishing subsequent *order out of that chaos*. They show disturbances in shape grow chaotically under the influence of external forces, but then eventually settle down to a stable form.”

Maksimov, A.O. and Leighton, T.G. 2011. *Order to chaos and back again*

# From Order and Back and Back

“Given that the laws of physics are simple and predictive, how can we have a world which is so *complex* and apparently *unpredictable*. The question is clearly in the *world of ideas*.”

To answer it, one turns to the development of mathematical models and of real physical systems, in both cases looking for simultaneous simplicity and complexity.”

Hoverstadt, P., 2022. The Grammar of Systems: *From Order to Chaos & Back*

*From Order to Chaos* speaks boldly about some current questions – aspirational, undisclosed, or perversely correct – here debated, suggested or democratized.

One learns what love is very early on. The how, where, and why are understood outside the contexts of action. One learns that without thought, there is no reaction. Without reaction, there is no consequence. And, without consequence, one will get tired, extinguished in a place where, delicately, one was made to belong.

*From Order to Chaos and Back* portrays fantasies, expensive dystopias, new self/trust/death, the limits of privacy, poverty, and bigotry, reflects on privileges, individualism encouragement, and even proposes an aboriginal philosophy for a new future. *Again and again...*

Joana Areal, *Course Coordinator*

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Catarina Paiva

THE ROYAL PARK

*The Royal Park* is a fictional place with no borders, whose principal goal is to create a neutral space free of poverty and bigotry. A place on Earth that no nation can claim as its own, where all people of goodwill with legitimate aspirations can live freely as world citizens and obey only one authority, the supreme Truth. A place of peace, concord, and harmony where all man's fighting instincts would be used exclusively to conquer the causes of his sufferings and miseries.

@cat.catarinapaiva

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Daniela Veloso

HANGUL FOR THE PEOPLE

A script has many cultural and historical roots and can be used artistically, although many graphic designers avoid doing so. The Korean alphabet, Hangul, represents the power and union of a country that has been divided and kept this script alive as the nation hopes for reunification. *Hangul for the People* explores the historical and cultural background of Hangul and the emotional impact it has on its people while promoting a deeper understanding of the social impact of our graphic choices on a larger scale.

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Eva Falcão

OBJECTS

With their primitive brains, the cavemen had to communicate by gestures, postures, yells, and grunts, much like the other animals that lacked refined expression. At some point, men learned to relate objects and their uses and make tools for defense and protection. Some believe this knowledge was passed on by gestures and repetition, resulting in a primitive and unsophisticated form of language. In our everyday life, physical or digital, most objects have a function and emotional value. However, many don't. *Objects* is a catalog of useless objects that somehow still have a purpose.

@heyoitseva

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Iara Pinhal

FIGHTING FOR IT

Feminism has impacted the world as we know it. The history of the feminist struggle and its manifestations have significantly influenced the world we live in. Women gained a voice, and other oppressed minorities gained the strength to fight for their rights. *Fighting for It* is a free manifest kit easily accessible and ready to "power up" anyone who wants to fight and stand up against oppression.

@iarapinhal

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Joana Reis

FLAT TIMES

Our understanding of the universe is still very scarce, leaving space for fantasy to rise and conspiracy theories to be born. In a world where everyone has an opinion, distinguishing an actual fact from a fake one is sometimes troublesome. *Flat Times* was taken from the idea of "How absurd life would be if we believe everything we read." *Flat Times* is a speculative newspaper that portrays conspiracy plots and "fake news" advertising.

@joanareis\_design

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Victor Batista Galvão

HOUSE OF HUSTLE

Intersectionality is an analytical framework for understanding how aspects of a person's social and political identities combine to create different modes of discrimination and privilege. *House of Hustle* was born, focusing on individuals who find themselves at the intersection of identities that transgress the spaces they were given. It highlights the black and queer creative community, provides a voice, and shares experiences and history, pains, and delights of the non-so-glamorous life in the Hustle.

@victorgalvaob

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Joelson Rosa

LYRICAL MANIFESTO

Hip hop is more than music; it's a cultural movement that incorporates different elements of art. Hip-hop has always been fundamentally political, serving as a powerful means for delivering messages that society needs to hear. Through spoken word, its MCs have often transmitted hip-hop politics more explicitly than their rock and folk predecessors. This project explores the existing relationship between Hip-hop and society, from the beginning of its creation until modern days.

@joeyrosez

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Liliana Rodrigues

THE NEXT TESTAMENT

Humanity has always tried to improve and transcend its capacities, but transhumanist ideals are becoming stronger. Humans have created prostheses, neuro links, and their own digital versions. What will be the next step for humanity? *The Next Testament* starts a new world with new rules. Becoming God is now possible. Our new appearance is entirely up to us. Everything is changing. We will all be transhumans soon.

@lili0\_design

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Luca Mocellin

CHANT

*Chant* is an introspective journey into Mexican surrealism. Western society has become obsessed with the Cartesian Method. Nowadays, reason and facts restrict our understanding of the profound forces which act upon the world. Let's explore the roots of a culture where the mythical past is still active. A place that is surrealist by nature. It aims to entice a final integration of aboriginal philosophy for a new future.

@mocellin\_luca

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Maria Chimeno

5 STEPS OF SUBVERSION

*5 Steps of Subversion* seeks to subvert the ever-rising encouragement of individualism. Each piece explores concepts and dichotomies such as individual vs collective, singular vs plural, island vs archipelago, highlighting many trains of thought and ways of living that value a deep sense of community, with the ultimate hope of sparking a conversation.

@chimenom

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Rodrigo Bravo

HACK A HUMAN

Digital has taken over our lives. Everyone needs to be aware of the direction that AI is taking. If we don't control it, we will soon live in a dystopian society where machines have overtaken humanity. *Hack a Human* is a reflection on a future of algorithms and data management, one in which we will no longer be able to choose.

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Rodrigo Estevão

THERE IS NO PLANET B

Pollution is everywhere. Although we live with it daily, it is one of the most ignored problems in the modern world. Without understanding the situation and developing a deeper awareness of the current way of living, mankind walks towards joint destruction of the environment. Awareness is the first step toward change. *There is no Planet B* is a communication project about the daunting numbers of this challenge.

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Ruben Carvalho

SYMBOL OF VALUE

The value of money has always been questioned. Today, with so many new digital currencies, its worth seems even more immeasurable. Where lies its real value? Do we need underlying commodities backing it? *Symbol of Value* is a digital token created to represent human values, a new concept of money that transcends its standard function.

@reubendesiging

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FLAGS

Flags is a collection of public declarations. Fragments of long-form reflections and aesthetic pursuits that these students present as a part of their *manifestos*. In this exhibition, we can see them isolated, away from the publications they derive from but could never exist without. *From chaos to order and back*.

*Curated by:* Joana Areal, Ana Freitas

*Organized by:* ETIC (Escola de Tecnologias, Inovação e Criação)

*Featured Students:* Ana Pereira, André Fonseca, Beatriz Cazenave, Bruna Ferreira, Catarina Paiva, Daniela Caturra, Daniela Veloso, Diogo Oliveira, Eva Falcão, Gonçalo Fernandes, Gonçalo Vieira, Iara Pinhal, Inês Conceição, Joana Reis, Joana Simões, Joelson Rosa, Liliana Rodrigues, Luca Mocellin, Margarida Monteiro, Maria Chimeno, Marta Vilar, Raquel Melo, Rodrigo Bravo, Rodrigo Estevão, Ruben Carvalho, Salomé Vasconcelos, Sara Santos, Vasco Cunha, Victor Batista

*Graphic Design:* Iara Pinhal, Joana Reis, Liliana Rodrigues, Ruben Carvalho, Victor Batista

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