

# DRAWING AND TECHNOLOGY

THE ROLE OF DRAWING  
AND TECHNOLOGY TOWARDS  
THE PRESERVATION  
OF CULTURAL HERITAGE

**4-21.OCTOBER.2022**

## SAP OVERVIEW

In today's technologically driven society what role does traditional drawing have in the preservation of our cultural heritage? Discover how these traditional values intersect with a contemporary art & design practice and technological sophistication.

Exploring the rich culture of the city of Barcelos, students are encouraged to make architectural studies, examine museum artefacts, and create renderings of the living presence of the city's inhabitants. These traditional approaches to drawing and illustration are to be finalised in a digital format, where the students' work will be displayed in an augmented reality exhibition walk.

This course aims to provide an in-depth analysis of visual note-taking and the methodology of thinking on paper, the process of making visual and contextual observations, and the subsequent stages involved in establishing connections for a meaningful narrative and composition.

## LEARNING OUTCOMES

At the end of this RUN-EU SAP, participants will be able to understand:

- The principles of drawing for representational visual communication.
- Perspective drawing fundamentals for still life, architecture and figurative study.
- Compositional and narrative problem-solving for illustrative storytelling and conceptual art making.
- Digital applications and working methodology for Augmented Reality.

**+INFO:** [www.run-eu.eu](http://www.run-eu.eu)

Organised by: IPCA and TUS

**DATE** From **4 to 21 October 2022**  
Face-to-Face Weeks: IPCA, Portugal 17-21 October

**MODE OF DELIVERY** Blended

**LANGUAGE OF INSTRUCTION** English

**ECTS CREDITS** 2

## ACADEMIC RECOGNITION

To be defined by each higher education institution. Generally, most students will have this SAP certified in their diploma supplement, as a minimal condition.

## ELIGIBLE PARTICIPANTS

RUN-EU students specially from 1<sup>st</sup> cycle of studies. This SAP is interdisciplinary, but situated in the fields of Drawing, Arts, Architecture and Design.

## HOW TO APPLY

Fill in the application form (**QR or website**)



**DEADLINE FOR APPLICATIONS**  
**24 August 2022**

**CONTACT DETAILS**  
SAPdrawing@ipca.pt



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## SELECTION CRITERIA

A maximum of 20 students will be selected for this programme. Motivation and wide representation of subject areas/fields and balanced participation of RUN-EU member institutions. The selection team will also take steps towards ensuring diversity and representativity.

## LEARNING AND TEACHING STRATEGY

There will be individual assignments and group work discussions. Online sessions and presentations. Input sessions, team discussions, supervision, and presentations/final exhibition.

## PREREQUISITES

No basic knowledge needed.

## COURSES LEADERS | LECTURERS

### Courses leaders

Susana Jorge (IPCA)  
Alan Crowley (TUS)

### Lecturers

Tamlyn Young (TUS)  
Daniel Silvestre (IPCA)  
Manuel Albino (IPCA)  
Marta Madureira (IPCA)  
Nuno Sousa (IPCA)  
Sofia Barreira (IPCA)

## PHYSICAL MOBILITY | SCHOLARSHIPS AVAILABLE

For students  
Travel: €350/person | Subsistence: €400/week

## MEANS AND CRITERIA FOR ASSESSMENT

Individual participation (attendance), work process, active participation, project/development of drawings, presentations, and final exhibition.

Certificates will only be issued to students who attend at least 75% of the lectures and who actively participate in the final group presentation/exhibition.

## CERTIFICATION

The participants who successfully complete this RUN-EU SAP will receive a Certificate of Participation and a Transcript of Records jointly issued by the organizing institutions.



SHORT  
ADVANCED  
PROGRAMME

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## PROGRAMME AT A GLANCE

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GMT+2	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00	21h00
GMT+1	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
<b>TUESDAY 4/10</b>							LUNCH BREAK	TEAMING				
<b>THURSDAY 6/10</b>							LUNCH BREAK	TALK VISUAL NOTE TAKING	DRAWING (ONLINE INSTRUCTION) METHODS & MATERIALS			
<b>FRIDAY 7/10</b>							LUNCH BREAK	PREPARATION FOR INTENSIVE WEEK				
<b>MONDAY 17/10</b>					WELCOME PROJECT OVERVIEW	IPCA DRAWING ARCHIVE SHOW	LUNCH BREAK	CITY TOUR & CULTURAL VISITS				SOCIAL EVENT
<b>TUESDAY 18/10</b>			GROUP WORK PERSPECTIVE DRAWING INSTRUCTION				LUNCH BREAK	TALK AUGMENTED REALITY & LIVED SPACE	GROUP WORK ENVIRONMENTAL DRAWING			
<b>WEDNESDAY 19/10</b>			TALK COMPOSITION & STORY	GROUP WORK CONCEPT DEVELOPMENT			LUNCH BREAK	TALK CLASSICAL THOUGHT TODAY	GROUP WORK ENVIRONMENTAL DRAWING			
<b>THURSDAY 20/10</b>			GROUP WORK AUGMENTED REALITY ASSET PRODUCTION				LUNCH BREAK	GROUP WORK AUGMENTED REALITY ASSET PRODUCTION				
<b>FRIDAY 21/10</b>	BREAKFAST IN THE CITY			EXHIBITION INSTALLATION & TROUBLE SHOOTING			LUNCH IN THE CITY	OVERALL QUALITY ASSESSMENT			EXHIBITION WALK THROUGH	



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**4 OCTOBER**

**TUESDAY 14H00-16H00 GMT - ONLINE**

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GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
<b>TUESDAY 4/10</b>						LUNCH BREAK	TEAMING				

## Teaming

- 🕒 14h00-16h00
- 👤 SAP Lecturers

📄 Teaming, discussion, and instruction as to what to expect during the SAP, IPCA facilities, accommodation & travel arrangements and the city of Barcelos.

**6 OCTOBER**

**THURSDAY 14H00-18H00 GMT - ONLINE**

GMT+2	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00	21h00
GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
<b>THURSDAY 6/10</b>						LUNCH BREAK	TALK VISUAL NOTE TAKING	DRAWING (ONLINE INSTRUCTION) METHODS & MATERIALS			

## Talk on Visual Note Taking

- 🕒 14h00-15h00
- 👤 SAP Lecturers
- 📄 Discussion about the varied approaches to making visual studies, as per our aesthetic preference, while still underpinned

by an awareness of technical and theoretical considerations. Consideration is given to the principles of drawing as being complimentary to an individual's art practice as they obey or bend these rules.

## Drawing Methods & Materials

- 🕒 15h00-18h00
- 👤 SAP Lecturers
- 📄 Participants will be provided advice and examples on how best to approach conducting visual research.



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**7 OCTOBER**

**FRIDAY 14H00-16H00 GMT - ONLINE**

GMT+2	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00	21h00
GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
<b>FRIDAY 7/10</b>							LUNCH BREAK	PREPARATION FOR INTENSIVE WEEK			

## Preparation for Intensive week

🕒 14h00-16h00

👤 SAP Lecturers

📄 Discussion about the previously  
demonstrated methodology and

how to combine these techniques with  
students' existing practice, and their  
approach to observation drawing.  
Overview concerning the next steps and  
what type of student participation is  
expected in the next week at IPCA.

**17 OCTOBER**

**MONDAY 11H00-18H00 GMT - IPCA**

GMT+2	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00	21h00
GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
<b>MONDAY 17/10</b>			WELCOME PROJECT OVERVIEW	IPCA DRAWING ARCHIVE SHOW	LUNCH BREAK	CITY TOUR & CULTURAL VISITS					SOCIAL EVENT

## Welcome Opening Session

🕒 11h00-12h00

👤 SAP Coordinators, Course  
Leaders & Lecturers

📄 Meet and Greet.

## IPCA Drawing Archive Show

🕒 12h00-13h00

👤 SAP Coordinators, Course  
Leaders & Lecturers

📄 Visit to a drawing exhibition of  
student works from the IPCA Archive.

## City Tour & Cultural Visits

🕒 14h00-18h00

📄 A Guided tour of the city  
of Barcelos and its  
historical monuments.

## Social Event

🕒 19h00-20h00



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18 OCTOBER

TUESDAY 10H00-18H00 - IPCA

GMT+2	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00	21h00
GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
TUESDAY 18/10	GROUP WORK PERSPECTIVE DRAWING INSTRUCTION			LUNCH BREAK	TALK AUGMENTED REALITY & LIVED SPACE	GROUP WORK ENVIRONMENTAL DRAWING					

## Perspective Drawing in Studio

🕒 10h00-13h00  
👤 SAP Lecturers

- 📄 Workshop demonstration on perspective systems, and the representation of three-dimensional space in image making. An introduction to point perspective drawing will provide the basis for exploring the illusion of space, linear perspective and atmospheric effect.

## Talk Augmented Reality & Lived Space

🕒 14h00-15h00  
👤 SAP Lecturers

- 📄 Extending the narrative potential of a drawing using Augmented Reality (AR). How AR can be used to create immersive, multi-media drawings that enhance the audience's connection to a physical space or intended message.

## Group Work Environmental Drawing

🕒 15h00-18h00

- 📄 Students will visit the city centre to conduct their cultural investigation. Encouraged to adopt the methodology from the morning workshop, they will carry out visual note taking, observational drawing and begin their search for a story of the city.



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19 OCTOBER

WEDNESDAY 10H00-18H00 - IPCA

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GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
WEDNESDAY 19/10	TALK COMPOSITION & STORY	GROUP WORK CONCEPT DEVELOPMENT	LUNCH BREAK	TALK CLASSICAL THOUGHT TODAY	GROUP WORK ENVIRONMENTAL DRAWING						

## Talk Composition & Story telling

🕒 10h00-11h00  
👤 SAP Lecturers

📄 An awareness of basic visual theory underpins any successful composition. Demonstrating the importance of the rule of thirds, vanishing points and perspective throw will reveal how the arrangements of these parts are crucial for a visually pleasing aesthetic.

## Group Work Concept Development

🕒 11h00-13h00

📄 Students will choose a particular point of interest that will inform the basis of their cultural investigation of the city of Barcelos. Throughout the morning they will develop the context of their enquiry, experiment with different narratives, compositional arrangement, colour treatment, etc., and narrow the scope of their cultural commentary.

## Talk Classical Thought Today

🕒 14h00-15h00  
👤 SAP Lecturers

📄 Are classical approaches to art making relevant to contemporary art and design? The principles of theory and practice remain the same, while the technological application is ever in a state of flux.

## Group Work Environmental Drawing

🕒 15h00-18h00

📄 Returning to the city centre to develop their chosen theme, students will continue to gather reference material. They will identify particular sites of interest and explore these locations further.



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20 OCTOBER

THURSDAY 10H00-18H00 - IPCA

GMT+2	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00	21h00
GMT+1	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
THURSDAY 20/10	GROUP WORK AUGMENTED REALITY ASSET PRODUCTION			LUNCH BREAK	GROUP WORK AUGMENTED REALITY ASSET PRODUCTION						

## Group Work Augmented Reality Asset Production

🕒 10h00-13h00

- 📄 AAn all-day workshop on digitalising student artworks for an AR exhibition. Using digital applications student drawings will be photographed, transferred, or recreated in a digital output. These digitalised drawings or animation sequences will in turn be formatted within an AR software application.

## Group Work Augmented Reality Asset Production

🕒 14h00-18h00

- 📄 Continuation of the work started in the morning.



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21 OCTOBER

FRIDAY 10H00-18H00 - IPCA

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GMT+1	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
FRIDAY 21/10	BREAKFAST IN THE CITY			EXHIBITION INSTALLATION & TROUBLE SHOOTING		LUNCH IN THE CITY		OVERALL QUALITY ASSESSMENT			EXHIBITION WALK THROUGH	

## Exhibition Installation & Trouble shooting

🕒 11h00-13h00

👤 SAP Lecturers

- 📄 An all-day workshop on digitalising student art works for the purpose of AR exhibition. Using digital applications student drawings will be photographed, transferred, or recreated in a digital output. These digitalised drawings or animation sequences will in turn be formatted within an AR software application.

## Overall Quality Assessment

🕒 15h00-17h00

- 📄 Assessment of the students' work and awarding of certificates of completion.

## Exhibition Walk Through

🕒 18h00-20h00

👤 SAP Lecturers

- 📄 As a conclusion to this Short Advanced Programme, students' work will be virtually displayed in an augmented reality exhibition in Barcelos city centre. A gallery walk will visit the sites of interest that inspired the artworks, now as an interactive digital installation.