

**Course-unit Programme**  
**(Regular Full-time Course Syllabus)**

**1. Course-unit details:**

Name of course-unit (subject): **Media design Studies 5. (3rd year)**

Language of instruction (from sample unit): English

Name of course-unit in Hungarian (from sample unit): **Média design stúdiumok 5.**

ETR (USRS) course-unit code<sup>†</sup> (subject unit):

Validity of course-unit<sup>†</sup> (from subject):

- date of launch of course-unit: autumn/spring term of academic year 2018/2019
- Date of termination of course-unit:

Credit value of course unit (from course-unit element)<sup>†</sup>: ..... credits

Institute offering the course-unit<sup>†</sup> (from subject):

Instructor responsible for course-unit<sup>†</sup> (from subject):

- name: **Julianna Laczkó**
- Ministry of Education Registry number\*:
- SIN code\*:

Course-unit group (subject DTL):

Course-unit type (subject unit):

- lecture
- practical class**

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<sup>†</sup>

These data are generated by ETR (USRS).

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Course-unit term requirements (subject unit):

- o examination
- o **practical grade based on a scale from 1 to 5**
- o mid-term classroom test at practical class + exam (pre-condition of applying for the exam is at least a 50% performance at the practical class)

Number of contact hours attached to the course-unit (subject unit):

Number of theoretical classes (lectures): ..... classes/week

Number of practical classes (seminars): ...4... classes/week

**Content features of course-unit:**

- Teaching objectives of course-unit:

The aim of the course is to collectively build a Reactable in class and create several sample projects designed specifically for this interactive digital instrument. The Reactable is an electronic musical instrument with a tabletop tangible user interface that was developed within the Music Technology Group at the Universitat Pompeu Fabra in Barcelona, Spain by Sergi Jordà, Marcos Alonso, Martin Kaltenbrunner and Günter Geiger. The Reactable's main user interface consists of a translucent table. Underneath the table is a video camera, aimed at the underside of the table and inputting video to a personal computer. There is a video projector under the table, also connected to the computer, projecting video onto the underside of the table top that can be seen from the upper side as well.

- The **topics** and **detailed** syllabus of the factual content of the course-unit in a weekly breakdown (sample unit):
  - o Week 1: designing the reactable; introduction to Pure Data
  - o Week 3: fabrication(1): wooden parts / measuring, cutting, screwing and gluing
  - o Week 4: fabrication(2): plexi / measuring, cutting, screwing and gluing
  - o Week 5: fabrication(3): projector & camera installation and testing
  - o Week 5: fabrication(4): making of tangibles
  - o Week 6: fabrication(5): prototyping and troubleshooting with demos
  - o Week 7: PD projects in duos(1): concepts and viability
  - o Week 8: PD projects in duos(2): PD design of projection
  - o Week 9: PD projects in duos(3) PD design of interaction
  - o Week 10: PD projects in duos(4): making of project tangibles, PD recognition
  - o Week 11: PD projects in duos(5): testing and troubleshooting

List of practical tasks required to fulfil the term requirements of the practical class:

- o Classroom test
- o **Presentation**
- o Essay to be submitted

**Reading material necessary to complete the course-unit:**

- List of **mandatory** readings:
  - o Online resources:
    - <http://reactable.com>
    - <http://reactivision.sourceforge.net/>
    - <https://www.tuio.org>
    - [https://modin.yuri.at/publications/reactivision\\_procams2005.pdf](https://modin.yuri.at/publications/reactivision_procams2005.pdf)
    - [https://modin.yuri.at/publications/reactivision\\_tei2007.pdf](https://modin.yuri.at/publications/reactivision_tei2007.pdf)
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    - [https://modin.yuri.at/publications/reactivision\\_3rditeration2005.pdf](https://modin.yuri.at/publications/reactivision_3rditeration2005.pdf)
    - [https://modin.yuri.at/publications/sur40\\_iss2016.pdf](https://modin.yuri.at/publications/sur40_iss2016.pdf)
  - o Printed publications:
    - Author(s): Christa Sommerer & Laurent Mignonneau:
    - Title: Interactive Art Research
    - Publishing House: Springer
    - Place of publication: Wien – New York
    - Year of latest edition: 2009

Budapest, 24 June 2018