MODULE/COURSE HANDBOOK

<table>
<tr><td colspan="7">Exploration Project on Ceramic Craft</td></tr>
<tr><td colspan="2">Module/
Course Title

Exploration Project on Ceramic Craft</td><td>Student Workload

4 Credits x 16 meetings x 170 / 60 = 181,33 hours/Semester</td><td>Credits (ECTS)

4 Credits x 1.59 = 6,36 ECTS</td><td>Semester

7</td><td>Frequency

16 meetings (include Mid-term Exam and Final Exam)</td><td>Duration

16 meetings</td></tr>
<tr><td>1</td><td colspan="2">Type of course
● Experience
● Lecture-Lab
● Studio</td><td colspan="3">Practice Lecture

28,55 x (4 Credits x 1.59) = 181,57 hours/Semester</td><td>Class size

30 students</td></tr>
<tr><td>2</td><td colspan="6">Prequisites for participation (if applicable)
Three Dimensional Visual Art minimum B</td></tr>
<tr><td>3</td><td colspan="6">Learning outcomes (PLO+CLO)

PLO-3
Develop logical, critical, systematic and creative thinking when doing specific tasks in their area of competence and in compliance with the appropriate work competency requirements.
PLO-4
Able to develop oneself sustainably and eager to collaborate.
PLO-8
Capable of producing original and innovative works and effectively presenting them in a variety of forums, both independently and in collaboration.

CLO-1
Students are able to analyze various techniques of intermediate-fired ceramics, including combinations of pinch, coil, and slab techniques, as well as design and create ceramic works using these techniques creatively.
CLO-2
Students are able to analyze the latest developments in ceramic crafts.
CLO-3
Students are able to create ceramic works using medium and high firing techniques, and effectively communicate artistic concepts through their creations.</td></tr>
<tr><td>4</td><td colspan="6">Subject aims/content
This course focuses on understanding the techniques involved in making highly fired ceramics, specifically porcelain and stoneware, with firing temperatures ranging from 1150°C to 1250°C. The</td></tr>
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	process begins with the search, processing, and composition of materials, followed by the formation of ceramic bodies using either manual techniques, such as hand-building and wheel-throwing, or printing methods. The course will emphasize exploring different possibilities for material selection, decoration techniques, and the high-temperature firing process to produce high-quality porcelain and stoneware ceramics. Practical strategies for creating ceramic crafts will be applied, and the course will culminate in an exhibition of students' final works. In this course, students will explore various aspects of creating highly fired ceramics. The key topics include the selection and processing of raw materials, focusing on the properties of different clays and their suitability for high-temperature firing. Students will learn how to mix and compose materials to create durable ceramic bodies. The course will also cover different forming techniques, including manual methods such as hand-building and wheel-throwing, as well as using printing techniques for shaping the clay. Decoration techniques, such as glazing, underglaze, overglaze, and surface texturing, will be explored in detail. Furthermore, the firing process will be studied, with a focus on temperature control, kiln types (electric, gas, and wood), and their impact on the final outcome of the ceramic pieces. The expected outcomes of this course include students' ability to select and prepare appropriate materials for porcelain and stoneware ceramics. Students will demonstrate proficiency in forming ceramic bodies using various techniques, including manual and printing methods. They will apply decoration techniques effectively to enhance the aesthetic and functional qualities of their works. Additionally, students will gain a deep understanding of the high-temperature firing process and how to control kiln temperatures to achieve desired results. By the end of the course, students will have created a collection of ceramic works that showcase their skills in crafting, decorating, and firing ceramics, and these works will be exhibited to demonstrate their competency in the field.
5	**Teaching methods** Interactive lecture, **project-based learning**, role plays and simulations Guided instruction, project based learning
6	**Assessment methods** Project assessment(Design), portfolios of students work, presentation
7	**This module is used in the following study program/s as well** Undergraduate program
8	**Module Coordinator** Muchlis Arif, S.Sn., M.Sn. Utari Anggita Shanti, S.Pd., M.Pd.
9	**Reference** Major 1. Dodd, A. E. (2024). *Dictionary of ceramics*. CRC Press. 2. Francis, L. F. (2024). *Materials Processing: A Unified Approach to Processing of Metals, Ceramics, and Polymers*. Elsevier. 3. Misra, K. P., & Misra, R. D. K. (Eds.). (2022). *Ceramic science and engineering: basics to recent*

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4. Pomeroy, M., Cambier, F., Galassi, C., Hampshire, S., & Leriche, A. (Eds.). (2021). *Encyclopedia of materials: technical ceramics and glasses*. Amsterdam, The Netherlands: Elsevier.
5. Greenhalgh, P. (2020). *Ceramic, Art and Civilisation*. Bloomsbury Publishing.
6. Sarkar, D. (Ed.). (2019). *Ceramic processing: Industrial practices*. CRC Press.
7. Beauchamp, P. C. (2017). Oriental ceramics: Adeline Dumergue's generous bequest to the Victoria & Albert Museum. The British Art
Journal, 17(3), 30–33. http://www.jstor.org/stable/26450245
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9. Norcross, C., & Angell, B. (2016). Of Ceramics, Art, and Nature. The Botanical Artist, 22(4), 30–31. http://www.jstor.org/stable/45219920
10. Sánchez, G. H. (2012). CERAMIC-MAKING BEFORE THE CONQUEST. In Ceramics and the Spanish Conquest: Response and
Continuity of Indigenous Pottery Technology in Central Mexico (pp. 43–90). Brill. http://www.jstor.org/stable/10.1163/j.ctt1w8h199.9
11. Arif, Muchlis. 2002. Seni Keramik , Unesa University Press, Surabaya
12. Astuti, Ambar. 2008. Keramik - Ilmu dan Proses Pembuatannya, Jurusan Kriya FSR ISI Yogyakarta Arindo Nusa Media, Yogyakarta
Minor
1. Alexander, Brian. 2006., Kamus Keramik. Milenia Populer, Yogyakarta
2. Clark, Kenneth. 1996. The Potters Manual, A Little Book, London
3. Ostermann, Mathias. 2002. The Ceramic Surface, University of Pennsylvania Press, Philadelphia.
Link
1. https://www.youtube.com/watch?v=CuNAdtbxRPw
2. https://www.youtube.com/watch?v=z2APU5ob9Og
3. https://www.youtube.com/watch?v=U64bLz4EWRI