

## MODULE HANDBOOK



### UNIVERSITAS NEGERI SURABAYA

Faculty of Social Science and Politic

Bachelor of Communication Science

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Module/Course	Student Workload	Credits	Semester	Frequency	Duration
Data Journalism / 7020103137	(3CU X 1.59 ECTS) X 28.49 = 135.89 Workhours	3 CU 4.77 ECTS	5 <sup>th</sup> / odd	Once Year	14 x meetings
1	<b>Types of courses</b> Lectures Structured, Assignments, Independent Study	<b>Contact hours</b>  (3CU X 1,59 ECTS) X {(50:170') X 28,49 Workhour s= 39, 97	<b>Independent Study</b>  (3CU X 1,59 ECTS) X {(60:170') X 28,49 Workhours = 47,96	<b>Structured Study</b>  (3CU X 1,59 ECTS) X {(60:170') X 28,49 Workhour s= 47,96	<b>Class size</b>  <b>MAX 50 STUDENT</b>
2	<b>Prerequisites for participation (if applicable)</b>				
3	<b>Program Learning outcomes</b>				
	PLO 1.A Promote an attitude of devotion to God, love for the country, responsibility, and independence, as a reflection of the values of academic norms and ethics.				
	PLO 2.A Apply logical, critical, and innovative thinking through the development of science and technology in their field of expertise.				

	<p>PLO 3.A Able to run communication programs through planning, implementation, and evaluation stages, in the management of conventional and digital media organizations.</p> <p>PLO.4 A Able to develop the concept of rules and processes in communication strategies related to the fields of marketing communication and media management.</p> <p>CLO : <i>Students are able to understand the basic concepts of visual communication design by combining aspects of graphic design element principles and creating visual works through graphic design software.</i></p>
4	<p><b>Subject aims/Content</b> (learning objectives of the course/subject material)</p> <ol style="list-style-type: none"> <li>1. Introduction to Data Journalism</li> <li>2. Finding Data</li> <li>3. Collecting Data</li> <li>4. Scrapping Data</li> <li>5. Cleaning Data</li> <li>6. Analyzing Data</li> <li>7. Introduction to Data Visualization</li> <li>8. Data Visualization: Infographics</li> <li>9. Data Visualization: Interactive Data Visuals</li> <li>10. Basic Maps</li> <li>11. Storytelling with Data</li> </ol>
5	<p><b>Teaching methods</b> <i>Lecture Course, Project based Learning.</i></p>
6	<p><b>Assessment methods</b> <i>Product/Project, Participation.</i></p>
7	<p><b>This module/course is used in the following study program/s as well -</b></p>
8	<p><b>Responsibility for module/course</b> <i>Elective Course</i></p>
9	<p><b>Other information (References)</b></p> <ol style="list-style-type: none"> <li>1. Gray, J. Chambers, L. &amp; Bounegru, L. (2012). The Data Journalism Handbook. O'Reilly Media</li> <li>2. Howard, A. B. (2014). The art and science of data-driven journalism: When journalists combine new technology with narrative skills, they can deliver context, clarity, and a better understanding of the world around us. Columbia Journalism School.</li> <li>3. Bounegru, L. &amp; J. Gray (eds.). (2021). The data journalism handbook: Towards a critical data practice. Amsterdam University Press.</li> </ol>