

# SUSTAINABLE DEVELOPMENT GOALS AT UNIVERSITY OF SPLIT

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# SDG AT UNIST



- Online meetings in January, 2021

**Individual reports on SDG curricular activities at UNIST units!**

Experts from:

- Faculty of Economics, Business and Tourism (Ana Kundid Novokmet, 3)
- Faculty of Humanities and Social Sciences (Mila Bulić)
- Faculty of Maritime Studies (Gorana Jelić Mrčelić, 2 + 1 student)
- University Department of Professional Studies (Goran Ćorluka, Senka Borovac Zekan, Winton Afrić, 3)

# UNIST AND ITS STRATEGIC GOALS

## STRATEGY OF THE DEVELOPMENT OF UNIST, (2015-2020)

### FIELD 2: UNIVERSITY IN ITS ENVIRONMENT

STRATEGIC GOAL 1 The University of Split **drives the economic growth of the region**, knowledge-based entrepreneurship and smart specialisation.

STRATEGIC GOAL 2 The University of Split **initiates innovative procedures and solutions for relevant social and economic problems, fostering the culture of development**, protection and commercialisation of intellectual property.

STRATEGIC GOAL 3 The University of Split **is a socially responsible institution which serves the society** whenever the need arises to activate its human and material resources.

STRATEGIC GOAL 4 The University of Split **fosters scientific research and artistic creation among the youth**; together with its partners and as a measure to tackle the youth unemployment, it develops programmes of post-academic employment for its students and later for other former students.

### FIELD 4: ORGANISATION OF THE UNIVERSITY

STRATEGIC GOAL 1 The University of Split functionally integrates all of its activities in order **to achieve the highest efficiency, cost-effectiveness, sustainable growth** and interdisciplinarity, as well as the exchange of experience and best practices within the University.



# UNIST and the global goals of SD



## UNIST and SDG – Times Higher Education (THE) ranking

UNIST reported 10 SDG for the ranking purpose:

1. SDG 3 Good Health and Well-Being,
2. SDG 4 Quality Education,
3. SDG 5 Gender Equality,
4. SDG 7 Affordable and Clean Energy,
5. SDG 8 Decent Work and Economic Growth,
6. SDG 9 Industry, Innovation and Infrastructure,
7. SDG 10 Reduced Inequalities,
8. SDG 11 Sustainable Cities and Communities,
9. SDG 16 Peace, Justice and Strong Institutions,
10. SDG 17 Partnership for the Goals



# Curricular activities at UNIST

- **Facts and Figures**

- 11 faculties, 1 academy and 4 departments

Overall **189 study programmes**:

- 79 undergraduate study programmes
- 72 graduate study programmes (university and specialist)
- 9 integrated undergraduate and graduate study programmes
- 18 postgraduate PhD study programmes + 16 postgraduate specialist study programmes



# UNIST extra-curricular activities

- Over 40 projects were financed from EU programs and funds in the last few years (20 ongoing):

PROGRAMME	TITLE	ACRONYM
ERASMUS+	European University of the Sea	SEA EU
ERASMUS+	Capacity building for Blue Growth and curriculum development of Marine Fishery in Albania	ALMARS
ERASMUS+	Conservation of Art in Public Spaces	CAPUS
ERASMUS+	Business driven problem-based learning for academic excellence in geoinformatics	GEOBIZ
ERASMUS+	Personalized Medicine Inquiry-Based Education	PROMISE
ERASMUS+	Teaching mathematics in STEM context for STEM students	mathSTEM
ERASMUS+	Social Sciences and Humanities in intersectoral Outreach for better education and sustainable Innovations	SHOUT
ERASMUS+	Sustainable development of BLUE economies through higher Education and innovation in Western Balkan Countries	BLUEWBC
ERASMUS+	Innovative Approach in Mathematical Education for Maritime Students	MareMathics
HORIZON 2020	Methods in Research on Research	MIRROR
HORIZON 2020	In-silico boosted, pest prevention and off-season focused IPM against new and emerging fruit flies ('OFF-Season' FF- IPM)	FF-IPM
HORIZON 2020	Bio-protective cultures and bioactive extracts as sustainable combined strategies to improve the shelf-life of perishable Mediterranean food (BioProMedFood)	BioProMedFood
HORIZON 2020	Next generation test bed for upscaling of microfluidic devices based on nano-enabled surfaces and membranes	NextGen Microfluidics
EUROPEAID	Developing capacities together: European CSO-university networks for global learning on migration, security and sustainable development in an interdependent world	INTERCAP
INTERREG	Fisheries in the Adriatic Region a Shared Ecosystem Approach	FAIRSEA
INTERREG	Water management solutions for reducing microbial environment impact in coastal areas	WATERCARE
ERDF	Center of excellence for Science and Technology integrating Mediterranean region	STIM REI
ERDF	Reconstruction of student dormitory "Bruno Bušić"	SC BRUNO BUŠIĆ
ERDF	Functional integration of the University of Split, PMFST, PFST, KTFST through the development of the scientific and research infrastructure	Z3F
ERDF	Putting the newly-built animal facility into service at the University of Split	NASTAMBA
ESF	Internationalisation of Higher Education in Croatia, Internationalisation of Study Programmes of Marine Fisheries and Military Nautical Studies at the University of Split	INTERIV
ESF	Unaprjeđenje i provedba stručne prakse na Sveučilišnom odjelu za stručne studije	STRUČNE PRAKSE



## UNIST extra-curricular activities...



### European Sustainable Development Week (ESDW) at UNIST

Lecture	Date
How to get tailor-made work?	22 <sup>nd</sup> September 2020
Contribution of geographic information systems transparency of afforestation of the national space	23 <sup>rd</sup> September 2020
Service learning in the context of the Global Sustainable Development Goals	24 <sup>th</sup> September 2020
Circular economy - use your consumer power	25 <sup>th</sup> September 2020
The importance of gender equality for sustainable development	25 <sup>th</sup> September 2020
Mental health of young people in the modern world	05 <sup>th</sup> October 2020
Panel discussion and presentation of the book: Borders - students' attitudes about migration and migrants	08 <sup>th</sup> October 2020

student project *Hydrofoil*



# Faculty of Maritime Studies



as reported by Dr. Gorana Jelić Mrčelić, full prof.

- Strategy of FMS (2017-2022): all FMS activities are based on:

**equality and justice, human rights, respect of integrity and dignity of a person, academic liberties,...**

Curricular activities related to SDG:

- FMS performs 5 undergraduate study programmes and 4 graduate study programmes (Nautical studies, Marine engineering, Maritime management...) in accordance with:
- Standards and guidelines for quality assurance in the European Higher Education Area (ESG) – **social role of FMS is ensured**
- International Convention on Standards of Training, Certification, and Watch-keeping for Seafarers (STCW) – **environmental and economic issues are well incorporated in the curricula (MARPOL)!**



# Faculty of Economics, Business and Tourism,

as reported by Ana Kundid Novokmet, PhD



- Lecturing, supervising and researching in the field of finance  
(several topics included in various subjects in the field of finance (e.g. bank social responsibility, ethical banking, financial inclusion, financial literacy, financial frauds, predatory finance, financial consumers protection, sustainable household finance by learning about behavioral biases in financial decision-making, reputational risk in banking))
- Numerous supervised master theses on these topics and several published scientific articles with students as co-authors in peer reviewed journals (e.g. Do students in Croatia care about corporate social responsibility performance of banks?, 2016.),
- **Published scientific monograph:** „Finance after crisis: forensics, ethics and sustainability”, 2014. (eds. Ćurak, M., Kundid, A., Visković, J.).
- Lecturing, supervising and researching in the field of e-tourism and hospitality

# Faculty of Humanities and Social Sciences, as reported by Mila

Bulić, PhD



## Sustainable Development Goals

- Faculty of Humanities and Social Sciences

### SERVICE LEARNING

Department of Sociology  
Department of Teacher Education

### SUSTAINABLE DEVELOPMENT IN SILABUS

Department of Teacher Education MODUL  
3: Education for Sustainable Development

### PROJECTS





# The Presence of Sustainable Development Goals in the Teaching Process at the Department of Professional Studies



SDG Report 2021.

Presented By  
Senka Borovac Zekan, PhD  
Goran Ćorluka, PhD  
Winton Afrić, PhD

24th February 2021.





## The results of the survey that was applied on university teachers

Question:  
How many of SDG's 17 goals are included in our teaching  
process/courses?



# Findings

## TEACHERS

There are total of 73 teachers and 550 courses

22 of 73 teachers have implemented the SDG in their courses (30%)

## NUMBER OF COURSES

48 of 550 courses have implemented some of SDG in their syllabus (8%)

## NUMBER OF SDG's

16 of 17 goals are represented (except no. 14: Life below water)



# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
Tourism Destination Managment	Highlighting negative implications arising from overuse of tourism resources (overtourism); Setting framework for sustainable tourism destination development.
Special forms of Tourism	Developing small scale forms of tourism in align with sustainable development as a respond to mass tourism and overtourism
Negotiation skills	Raising awareness of the gap between men and women's outcomes narrowed as they gained negotiating experience. Using negotiation in conciliation.
Event Management	Implementation of sustainable event management as the process of integrating environmental and social responsibility issues into event planning.
Entrepreneurial Crisis Management	Structuring the assessment of the societal impact of crisis management solutions.
Business Management	Ethical leadership as leadership which is centered around appropriate conduct through respect for ethics and values, as well as the rights and dignity of others. Social responsibility leaders - leaders with strong commitments to CSR (Corporate Social Responsibility).



# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
Mobile Communication systems	Influence of electromagnetic waves of 4th and 5th generation systems on human health, and the total cumulative effect of all mobile systems at one location.
Radiocommunications	The impact of electromagnetic radiation from the radio frequency spectrum on the environment and human health. On what knowledge are the norms for the protection of the environment and human health based.
Directional Radio Communication Systems (Radio Riley Systems)	The negative impact of electromagnetic waves used in directional radio communication systems on the environment. Calculation of permissible radiation levels outside the basic radio directions.
Multimedia Communications	Garbage disposal of worn-out or destroyed electronic devices.
Material Selection	Advanced methods of material and process selection according various objectives like minimisation of costs, mass and environment impact .
Renewable Sources of Energy	The utilisation of renewable sources of energy for electricity and heat generation.

# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
Heating and Air Conditioning	The importance of energy efficiency and rational utilisation of energy in buildings, combined with the utilisation of renewable sources of energy.
Design of plastic products	Recycling and sustainable development of polymer materials: today's challenges from the aspect of environmental protection
Computer Usage	Computer's impact on the environment. Computer related injuries.
Informatics I	Computer's impact on the environment. Computer related injuries.
Introduction to Economics	Clarifying the negative connotations of exclusively focusing on quantitative indicators of economic growth. Promoting the importance of lifelong learning in order to accomodate the increasing national and global labor market turbulences. Emphasizing the importance of a strong middle class in stimulating aggregate demand and GDP growth.
Business Economics	Emphasizing the importance of education and technological progress as the primary generators of labor productivity growth and, consequently, economic growth necessary to reduce population.

# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
E-business	Promoting solutions that encourage entrepreneurship and job creation in in today's globalized world
Consumer behaviour	Reduce the gap between cultures, ages, genders, education
Sales and Distribution	Developing awereness of product packacing and highlighting responsible consumption
Entrepreneurial infrastructure	Entrepreneurial infrastructure in the function of the development of entrepreneurship, entrepreneurial support institutions and their measures for establishment and growth of small and medim size enterprises
Family business	The importance of family business for economic development, self-employment and career development in a family business.
Entrepreneurial strategies	Developing a sustainable strategy for start-up companies.



# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
Business ethics	Raising awareness of sustainable business in all three segments of sustainability (3P-people&planet&profit)
Contemporary Retail Techniques	Rethinking retail strategy when applying new technologies to achieve sustainable development in retail.
Retail Logistic Management	Issues of return logistics in retail in order to strengthen the awareness of responsible SCM.
Internal Trade Operations 1	Defining elements of procurement in function of ensuring healthy products.
Internal Trade Operations 2	Analysing elements of responsible consumptions in Category Management, include awareness of environmental and social impacts of products.
Foreign Trade	Implementation of free trade agreements in order to reduce economic inequality of countries, increase the competitiveness of less developed countries and thus traders from less developed countries as well as products from those countries.
Marketing Communication	Ethical advertising. Advertising towards children. Sustainability and social awareness in advertising.

# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
Marketing	Creating more sustainable marketing mix: products (green packaging, recyclable products after the product life time is over, return logistics of defective and obsolete products... , taking care of sustainability of raw materials (protection against depletion of plant and animal species)), fair prices, sustainable distribution (using multimodal transports and route planning, alternative fuel and energy solutions, implementing different energy saving solutions in whole process from production to the final customer, shortening food distribution cycle by encouraging local food producers, implementing social responsibility activities (donations, taking care for community etc.), ethical promotion without deceptive promotional practices...
International Marketing	Unification of product quality on all markets, fair pay for labour on all markets, regulating children labour.
Branding	Creating more sustainable brands , educating customers about the importance of sustainable behaviour, encouraging customers for buying more sustainable products...
Entrepreneurship	Emphasizing entrepreneurship as a means of reducing poverty and fostering economic growth by focusing on creating innovative products and processes. Raising awareness that entrepreneurship could be the key to sustainable socio-economic empowerment.
Business Venture Management	Designing and managing business projects that take equal account of their economic, social and environmental impact, respecting the sustainable development concept.

# Findings

## Course Titles and Sustainable Development Goals

COURSE TITLE	SUSTAINABLE DEVELOPMENT GOAL
Sustainable Human Resource Management	In a changing organizational environment, the purpose of HRM is currently in transition and a multidimensional Sustainable HRM model is emerging that takes into account long-term influences such as climate change, biodiversity, urbanization, and workforce demographics rather than simply short-term financial issues. Consequently, there is a need to develop “people-management practices that take the development of social, environmental and human capital into account”
Destination Management Company	Development of destination management companies respecting the sustainable development goals.
Travel Agencies and Traffic Systems	Development of travel agencies respecting the sustainable development goals
Hospitality Management	Improving the business of hotel companies by respecting the sustainable development goals.
Tourism Economics	Analyzing the effects of tourism on a global, national and local level with regard to the sustainable development goals
Personal Finance Management	Increasing the level of knowledge and skills in personal financial management reduces the risk of poverty.



# Findings

## COURSE TITLE

## SUSTAINABLE DEVELOPMENT GOAL

Insurance and Reinsurance

By increasing the level of knowledge and skills in the field of insurance, it introduces students to the possibilities of insurance protection of their standard, thus reducing the risk of poverty.

Robotics

Use of Robots in agriculture, aquaculture can contribute to higher production, lower resource consumption, and reduced pollution.

Broadband Networks

Implementation of various services providing online services and "work from home" directly reducing daily commuting resulting in lower CO2 pollution. Bringing online education to all parts of the world removing inequality between rich and poor countries. Providing possibilities for small businesses and self-employed professionals to access global market from any country.

Broadband Networks Design

Implementation of various services providing online services and "work from home" directly reducing daily commuting resulting in lower CO2 pollution. Bringing online education to all parts of the world removing inequality between rich and poor countries. Providing possibilities for small businesses and self-employed professionals to access global market from any country.

Power Electronics

Power electronics is needed to adapt the natural characteristics of renewable energy sources to our human application needs. Because, in general, these natural forms are not displaceable, the energy produced needs to be stored or sent to the AC network immediately

Embedded computers

Implementation of various services providing online services and "work from home" directly reducing daily commuting resulting in lower CO2 pollution. Bringing online education to all parts of the world removing inequality between rich and poor countries. Providing possibilities for small businesses and self-employed professionals to access global market from any country.

# Next Steps

The main objectives of SDGs are:

to reduce poverty, protect the planet, and to ensure peace and security.

To this end, 17 objectives, 169 targets, and 263 indicators have been formulated.

**We should first introduce these goals to all teachers and finally to all students.**

**What do we need to know?**

**ACTION OR COMMITMENT**

**ACTION OR COMMITMENT**

**ACTION OR COMMITMENT**

**What do we need to do?**

What do our students know about Sustainable Development Goals?

In order to evaluate students' knowledge, a questionnaire should be designed, validated, and administered to students from different fields.

Students should develop competences such as critical thinking, narrative imagination, and agency, the bases of capability approach, and others such as ethical reasoning, the ability to discern the consequences of their actions....

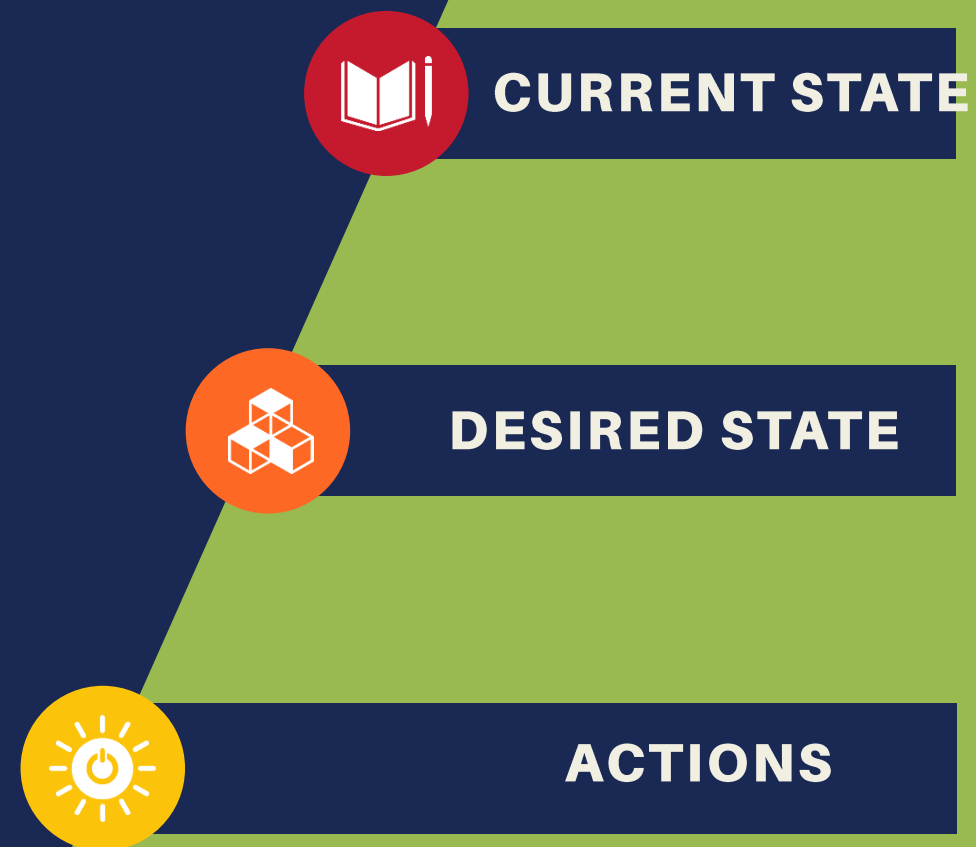
We should also increase the number of final theses that deal with these topics.

# Conclusion

The obtained results show that university teachers don't incorporate Sustainable Development Goals in their courses in the satisfactory percentage.

"There is no more powerful transformative force than education."

University  
Department of  
Professional Studies



- 30% of all teachers implement SDG in their courses
- 8% of all courses teach about SDG
- increase the percentage of teachers and courses implementing SDG
- <https://sdgs.un.org/2030agenda>
- increase the number of final theses about SDG
- increase the engagement in service learning
- encourage teachers and students to volunteer
- connecting with nonprofit sector

SDG Progress  
Report 2021



Thank you for your  
attention!

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