



SPLIT SUMMER SCHOOL STSS2021

COURSE: E-Learning/ Traditional Approach to Application of Mathematics in Traffic Sciences FDEM

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Main topics:

- Distance learning / Using online platforms in math
- Functions / Examining the properties of function
- Introduction to graph theory / Solving traffic problems through the use of graph theory
- The importance of using algorithms in practice / Solving traffic problems through the use of algorithms
- Identifying math models in the city of seamen – Split



Programme structure:

- 5-day course
- Sample data will be provided for practice and for final presentation
- Every student gets lecture notes bound into a booklet, as well as a CD containing a digital version of the booklet, the current version of Y-code

Important dates:

Course dates: 30/08/2021 – 04/09/2021
Deadline for application: 01/07/2021
Payment due by: 20/07/2021
Confirmation of the course: 30/07/2021

Price of the course: 300 € (tax included)

Programme plan:

- Day 1
- Distance learning / Using online platforms in math (3h)
 - Individual work/exercise (1h)
- Day 2
- Functions / Examining the properties of function (3h)
 - Individual work/exercise (1h)
- Day 3
- Introduction to graph theory / Solving traffic problems through the use of graph theory (3h)
 - Individual work/exercise (1h)

Programme lecturers:

Ph. D. Tatjana Stanivuk, prof,
Teaching/research associate professor at the
University of Split,
Faculty of Maritime Studies,
Chair of general subjects, Split, Croatia.
Croatian Scientific Bibliography

Matko Maleš, M. Sc.
Teaching/research assistant at the University of Split,
Faculty of Maritime Studies,
Chair of general subjects, Split, Croatia.
Croatian Scientific Bibliography

Day 4

- The importance of using algorithms in practice / Solving traffic problems through the use of algorithms (3h)
- Individual work/exercise (1h)

Day 5

- Identifying math models in the city of seamen - Split (3h)
- Final presentations (1h)

Jelena Pleština, M. Sc.

Teaching/research assistant at the University of Split,
Faculty of Science,
Department of Mathematics, Split, Croatia.
Croatian Scientific Bibliography