

Courses in English - Winter semester 2026-2027 - Mathematics and Data Science

Please note: This table lists all **modules** offered in English. Each module includes one or more courses on related topics. These courses may have different titles and can change each semester, while the module titles remain the same. Exchange students are not enrolled in a full degree program at KU. However, they can take individual modules from different programs. **ECTS credits are only earned by completing an entire module** – not for attending individual courses within a module. To view the available courses within a module – including details on ECTS credits – please click on the **course number**. Please note that this list may not be complete.

Module number	Module title	Course Number	Study level	ECTS per module
06-021-DS17-H-0720	Research and Advanced Methods in Logistics and Supply Chain Management	06-021-DS17-S-P-0720, 06-021-DS17-S-SE-0720,	Bachelor	5
82-105-DS01-H-0822	Analysis 1 for Data Science	82-105-DS01-S-P-0822, 82-105-DS01-S-UE-0822, 82-105-DS01-S-VL-0822,	Bachelor	5
82-105-DS02-H-0822	Introduction to Programming	82-105-DS02-S-P-0822, 82-105-DS02-S-UE-0822,	Bachelor	5
82-105-DS04-H-0822	Ethics of Algorithms and Data	82-105-DS04-S-P-0822, 82-105-DS04-S-VL-0822,	Bachelor	5
82-105-DS05-H-0822	Foundations of Data Science	82-105-DS05-S-P-0822, 82-105-DS05-S-UE-0822, 82-105-DS05-S-VL-0822,	Bachelor	10
82-105-DS09-H-0822	Advanced Programming	82-105-DS09-S-P-0822, 82-105-DS09-S-UE-0822,	Bachelor	5
82-105-DS11-H-0822	Optimization in Data Science	82-105-DS11-S-P-0822, 82-105-DS11-S-UE-0822, 82-105-DS11-S-VL-0822,	Bachelor	5
82-105-DS13-H-0822	Deep Learning	82-105-DS13-S-P-0822, 82-105-DS13-S-UE-0822, 82-105-DS13-S-VL-0822,	Bachelor	10
82-105-DS18-H-0922	Seminar in Signal and Data Processing for B.Sc.	82-105-DS18-S-P-0922, 82-105-DS18-S-SE-0922,	Bachelor	5
82-105-DS20-H-0922	Seminar in Data Assimilation for B.Sc.	82-105-DS20-S-P-0922, 82-105-DS20-S-SE-0922,	Bachelor	5
82-105-DS21-H-0922	Seminar in Computational Mathematics for B.Sc.	82-105-DS21-S-P-0922, 82-105-DS21-S-SE-0922,	Bachelor	5
82-105-DS26-H-0923	Preliminary course "Mathematics for Data Science"	82-105-DS26-S-UE-0923, 82-105-DS26-S-VL-0923,	Bachelor	0
88-000-SPDis102- DS-H-0423	□ More Data, more Insights? An in-depth Look at modern Data Science Methods from a transdisciplinary Perspective	88-000-SPDis102-DS-S-P-0423, 82-000-SPDis01-DS-S-UE-0423, 82-000-SPDis01-DS-S-VL-0423,	Master	5
88-105-DS01-H-0825	Mathematics for Data Science	88-105-DS01-S-P-0825, 88-105-DS01-S-UE-0825, 88-105-DS01-S-VL-0825,	Master	10

82-021-D3B08-H-0522	Software Tools for Simulation and Optimization	82-021-D3B08-S-P-0522, 82-021-D3B08-S-UE-0522, 82-021-D3B08-S-VL-0522,	Bachelor	5
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