



International Doctorate in Civil and Environmental Engineering

DOCTORAL COURSE – A.Y. 2020/21

Differential Geometry

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Calendar	
22/03/2021, 14:30-18:30	
29/03/2021, 14:30-18:30	
12/04/2021, 14:30-18:30	
19/04/2021, 14:30-18:30	
26/04/2021, 14:30-18:30	
Total	20 hours – 10 credits

Program
Using curves and surfaces as basic examples and motivation, this course will provide an introduction to several branches of modern differential geometry: Riemannian manifolds, symplectic and complex geometry, Lie groups.
References: Loring W. Tu, <i>An Introduction to Manifolds</i> , Springer, 2011 Loring W. Tu, <i>Differential Geometry: Connections, Curvature, and Characteristic Classes</i> , Springer, 2017
<i>The course will be held on a virtual platform.</i>

To participate, please send an email to dott-dicea@unifi.it