

# Modulbeschreibung für Vertiefungsmodule des Wahlpflichtbereiches

<b>Titel des Moduls</b>	Algebraic curves and their moduli
in englischer Sprache	Algebraic curves and their moduli

<b>R</b>	X
<b>A</b>	

	Vorlesung	Übung
<b>Umfang</b>	4	2

<b>Inhalt</b>	
<p>The moduli space of curves occupies a central position in modern mathematics and in the last decades we have witnessed major breakthroughs in our understanding of <math>M_g</math> like Kontsevich's proof of Witten's Conjecture. The course is devoted to topics in the geometry of <math>M_g</math>.</p> <p>Bibliography:  Harris, Morrison: Moduli of curves. Springer.  Arbarello, Cornalba, Griffiths, Harris: Geometry of algebraic curves.  Farkas: The moduli space of curves. Book in preparation.</p>	

<b>Voraussetzungen</b>	Algebraic Geometry I + II
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<b>Regelsemester</b>	
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<b>Abschluss</b>	Mündliche Prüfung
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<b>Prüfungszulassungsvoraussetzung</b>	keine
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<b>Studienpunkte</b>	10
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R = Reine Mathematik  
A = Angewandte Mathematik