SEMINAR "Smooth Manifolds and Bordism Theory" Prof. M. Banagl

Date:	Topic:	Speaker:
1. 18. 4.	Introduction/Overview	_____Banagl_____
2. 25. 4.	Br. II. 2, 3, 4 (Diff. Manifolds)	_____
3. 2. 5.	Br. II. 5, 6 (Tangent vectors, Sard's thm.)	_____
[9. 5. Christi Himmelfahrt]		
4. 16. 5.	Br. II. 7, 8 (Immersions, Submersions)	_____
5. 23. 5.	Br. II. 9, 10 (Whitney embedding)	_____
[30. 5. Fronleichnam]		
6. 6. 6.	Br. II. 11 (Tubular neighborhoods, smooth approximation)	_____
7. 13. 6.	Br. II. 13, 14 (Fiber bundles, vector bundles)	_____
8. 20. 6.	MS §5 up to p. 62 (finite dim. Grassmannians, canon. bundle)	_____
9. 27. 6.	MS §5 pp. 62 - 69 (infinite dim. Grassmannian, universality)	_____
10. 4. 7.	Br. II. 15 (Transversality)	_____
11. 11. 7.	Mi. §7 (Framed Bordism)	_____
12. 18. 7.	Ba. §5.2, §5.3, §5.4 (Oriented Bordism, rational calculation)	_____
13. 25. 7.	Co. I. 4, 5, 6 (Bordism as a homology theory)	_____

Ba = M. Banagl, Topological Invariants of Stratified Spaces, SMM, Springer-Verlag, 2007.
Br = G. E. Bredon, Topology and Geometry, GTM 139, Springer-Verlag, 1993.
Co = P. Conner, Differentiable Periodic Maps, LNM 738, 2nd ed., Springer-Verlag, 1979.
Mi = J. Milnor, Topology from the differentiable viewpoint, revised ed., Princeton Univ. Press, 1965
MS = J. Milnor, J. Stasheff, Characteristic Classes, Annals of math. Studies 76, Princeton University Press, 1974.