

**Indian Institute of Technology Bombay**  
**Department of Mathematics**  
Special Year on Homological Methods in Commutative Algebra  
Spring 2005 :: Venue : Room 105

<b>Fri, Feb. 4</b>	3.00 - 3.55	Dr. T. Puthenpurakal, IIT Bombay Finite free resolutions I
	4.00 - 6.00	Prof. A. R. Shastri, IIT Bombay Basics of simplicial homology
<b>Fri, Feb. 11</b>	3.00 - 3.55	Prof. R. C. Cowsik, Univ. of Mumbai Face rings of simplicial complexes I
	4.00 - 6.00	Mr. Amitava Bhattacharya, TIFR, Mumbai Introduction to Polytopes
<b>Fri, Feb 18</b>	3.00 - 3.55	Prof. R. C. Cowsik, Univ. of Mumbai Face rings of simplicial complexes II
	4.00 - 6.00	Dr. T. Puthenpurakal, IIT Bombay Finite free resolutions II
<b>Wed, Feb 23</b>	3.00 - 4.30	Prof. J. Herzog, Univ. of Essen-Duisburg Groebner bases in commutative algebra and combinatorics I
	4.45 - 6.00	Dr. A. V. Jayanthan, HRI, Allahabad Gröbner bases and initial ideals I
<b>Fri, 25 Feb</b>	3.00 - 4.30	Prof. J. Herzog, Univ. of Essen-Duisburg Gröbner bases in commutative algebra and combinatorics II
	4.45 - 6.00	Dr. A. V. Jayanthan, HRI, Allahabad Gröbner bases and initial ideals I
<b>Wed, Mar 2</b>	3.00 - 4.30	Prof. J. Herzog, Univ. of Essen-Duisburg Gröbner bases in commutative algebra and combinatorics III
	4.45 - 6.00	Dr. Clare D'Cruz, CMI, Chennai Regularity of ideals I
<b>Fri, Mar 4</b>	3.00 - 4.30	Prof. J. Herzog, Univ. of Essen-Duisburg The depth of powers of an ideal
	4.45 - 6.00	Dr. Clare D'Cruz, CMI, Chennai Regularity of ideals II
<b>Fri, Mar 11</b>	3.00 - 4.30	Prof. R. A. Rao, TIFR, Mumbai Projective modules and complete intersections I
	4.30 - 6.00	Prof. B. Singh, IIT Bombay Cohen structure theorems I
<b>Fri, Mar 18</b>	3.00 - 4.30	Prof. R. A. Rao, TIFR, Mumbai Projective modules and complete intersections II
	4.30 - 6.00	Prof. B. Singh, IIT Bombay Cohen structure theorems II
<b>Fri, April 1</b>	3.00 - 4.30	Prof. R. A. Rao, TIFR, Mumbai Projective modules and complete intersections III
	4.30 - 6.00	Prof. B. Singh, IIT Bombay Cohen structure theorems III
<b>Fri, April 8</b>	2.30 - 4.00	Prof. S. R. Ghorpade Determinantal rings I
	4.00 - 5.30	Prof. B. Singh, IIT Bombay Cohen structure theorems IV
<b>Fri, April 15</b>	2.30 - 4.00	Prof. S. R. Ghorpade Determinantal rings II
	4.00 - 5.30	Prof. B. Singh, IIT Bombay Cohen structure theorems IV