

PROGRAM IN COMMUTATIVE ALGEBRA

REFERENCES

- [1] M. F. Atiyah and I. G. Macdonald, *Introduction to commutative algebra*, Addison-Wesley Publishing Co., 1969.
- [2] L. L. Avramov, M. Green, C. Huneke, K. E. Smith, and B. Sturmfels, editors, *Trends in commutative algebra*, Mathematical Sciences Research Institute Publications **51**, Cambridge University Press, Cambridge, 2004.
- [3] M. P. Brodmann and R. Y. Sharp, *Local cohomology: an algebraic introduction with geometric applications*, Cambridge Studies in Advanced Mathematics **60**, Cambridge University Press, Cambridge, 1998.
- [4] W. Bruns, A. Conca, C. Raicu, and M. Varbaro, *Determinants, Gröbner bases and cohomology*, Springer Monographs in Mathematics, Springer, Cham, 2022.
- [5] W. Bruns and J. Herzog, *Cohen-Macaulay rings*, revised edition, Cambridge Stud. Adv. Math. **39**, Cambridge University Press, Cambridge, 1998.
- [6] W. Bruns and U. Vetter, *Determinantal rings*, Lecture Notes in Mathematics **1327**, Springer-Verlag, Berlin, 1988.
- [7] H. E. A. Campbell and D. L. Wehlau, *Modular invariant theory*, Encyclopaedia Math. Sci. **139**, Springer-Verlag, Berlin, 2011.
- [8] H. Cartan and S. Eilenberg, *Homological algebra*, Princeton University Press, Princeton, New Jersey, 1956.
- [9] D. Cox, J. Little, and D. O’Shea, *Ideals, varieties, and algorithms*, Undergrad. Texts Math., Springer-Verlag, New York, 1997.
- [10] D. Eisenbud, *Commutative algebra with a view toward algebraic geometry*, Grad. Texts in Math. **150**, Springer-Verlag, New York, 1995.
- [11] D. Eisenbud, *The geometry of syzygies*, Grad. Texts in Math. **150**, Springer-Verlag, New York, 2005.
- [12] Eisenbud, David and Harris, Joe, *3264 and all that—a second course in algebraic geometry*, Cambridge University Press, Cambridge, 2016.
- [13] D. Eisenbud, S. B. Iyengar, A. K. Singh, J. T. Stafford, and M. Van den Bergh, editors, *Commutative algebra and noncommutative algebraic geometry Vol. I*, Mathematical Sciences Research Institute Publications **67**, Cambridge University Press, New York, 2015.
- [14] D. Eisenbud, S. B. Iyengar, A. K. Singh, J. T. Stafford, and M. Van den Bergh, editors, *Commutative algebra and noncommutative algebraic geometry Vol. II*, Mathematical Sciences Research Institute Publications **67**, Cambridge University Press, New York, 2015.
- [15] Flannery, H. and O’Carroll, L. and Vogel, W., *Joins and intersections*, Springer Monographs in Mathematics, Springer-Verlag, Berlin, 1999.
- [16] R. Hartshorne, *Residues and duality*, Lecture Notes in Math. **20**, Springer-Verlag, Berlin, 1966.
- [17] R. Hartshorne, *Algebraic geometry*, Grad. Texts in Math. **52**, Springer-Verlag, New York, 1977.
- [18] M. Hochster, *Topics in the homological theory of modules over commutative rings*, CBMS Regional Conference Series in Mathematics **24**, American Mathematical Society, Providence, Rhode Island, 1975.
- [19] M. Hochster, C. Huneke, and J. D. Sally, editors, *Commutative algebra*, Mathematical Sciences Research Institute Publications **15**, Springer-Verlag, New York, 1989.
- [20] C. Huneke and I. Swanson, *Integral closure of ideals, rings, and modules*, London Math. Soc. Lecture Note Ser. **336**, Cambridge Univ. Press, Cambridge, 2006.
- [21] S. B. Iyengar, G. J. Leuschke, A. Leykin, C. Miller, E. Miller, A. K. Singh, and U. Walther, *Twenty-four hours of local cohomology*, Grad. Stud. Math. **87**, American Mathematical Society, Providence, RI, 2007.

- [22] E. Kunz, *Introduction to commutative algebra and algebraic geometry*, Birkhäuser Boston, Inc., Boston, MA, 1985.
- [23] E. Kunz, *Residues and duality for projective algebraic varieties*, Univ. Lecture Ser. **47**, American Mathematical Society, Providence, RI, 2008.
- [24] Kunz, Ernst, *Kähler differentials*, Advanced Lectures in Mathematics, Friedr. Vieweg & Sohn, Braunschweig, 1986.
- [25] Kunz, Ernst and Waldi, Rolf, *Regular differential forms*, Contemporary Mathematics **79**, American Mathematical Society, Providence, RI, 1988.
- [26] H. Matsumura, *Commutative algebra*, second edition, Mathematics Lecture Note Series **56**, Benjamin/Cummings Publishing Co., Inc., Reading, Mass., 1980.
- [27] H. Matsumura, *Commutative ring theory*, second edition, Cambridge Studies in Advanced Mathematics **8**, Cambridge University Press, Cambridge, 1986.
- [28] E. Miller and B. Sturmfels, *Combinatorial commutative algebra*, Grad. Texts in Math. **227**, Springer, New York, 2005.
- [29] M. Nagata, *Local rings*, Interscience Tracts in Pure and Applied Mathematics **13**, Interscience Publishers, a division of John Wiley & Sons, New York-London, 1962.
- [30] C. Polini, C. Raicu, M. Varbaro, and M. E. Walker, *Recent developments in commutative algebra*, Lecture Notes in Mathematics **2283**, Springer, Cham 2021.
- [31] C. Procesi, *Lie groups, An approach through invariants and representations*, Universitext, Springer, New York, 2007.
- [32] J.-P. Serre, *Local algebra*, Springer Monographs in Mathematics, Springer-Verlag, Berlin, 2000.
- [33] R. P. Stanley, *Combinatorics and commutative algebra*, Second edition, Progress in Mathematics **41**, Birkhäuser, Boston, MA, 1996.
- [34] Vasconcelos, Wolmer V., *Arithmetic of blowup algebras*, London Mathematical Society Lecture Note Series **195**, Cambridge University Press, Cambridge, 1994.
- [35] Vasconcelos, Wolmer V., *Computational methods in commutative algebra and algebraic geometry*, Algorithms and Computation in Mathematics **2**, Springer-Verlag, Berlin, 1998.
- [36] Vasconcelos, Wolmer V., *Integral closure*, Springer Monographs in Mathematics, Springer-Verlag, Berlin, 2005.
- [37] Villarreal, Rafael H., *Monomial algebras*, Monographs and Textbooks in Pure and Applied Mathematics **238**, Marcel Dekker, Inc., New York, 2001.
- [38] Weyman, Jerzy, *Cohomology of vector bundles and syzygies*, Cambridge Tracts in Mathematics **149**, Cambridge University Press, Cambridge, 2003.