

Information on Recognized Interdepartmental Courses for Master's and Doctoral Programs at the Institute of Systems Biology and Bioinformatics, Department of Biomedical Sciences and Engineering of National Central University

Approved during the 1st Institute Staff Meeting for the 2013 academic year on April 22, 2014
Approved during the 1st Institute Staff Meeting for the 2014 academic year on October 1, 2014
Approved during the 1st Institute Staff Meeting for the 2014 academic year on April 15, 2015
Approved during the 3rd Institute Staff Meeting for the 2014 academic year on June 17, 2015
Approved during the 1st Institute Staff Meeting for the 2015 academic year on February 17, 2016
Approved during the 7th Institute Staff Meeting for the 2016 academic year on May 11, 2017

List of Courses

Offering Department	Course Name	#Credits
Department of Information Engineering	1. CE6039 – Database System	3
Department of Chemical Engineering and Materials Engineering	2. CH8087 – Physical Biochemistry	3
Department of Life Sciences	3. LS5031 – G-protein Coupled Receptor	3
	4. LS5033 – Neurobiology	2
	5. LS5039 – Cell Molecular Biology I	3
	6. LS5040 0 – Cell Molecular Biology II	3
	7. LS6002 – Bioorganic Analysis	3
	8. LS6078 – Special Research: Molecular Biology of Pain	3
	9. LS6083 – Special Research: Pain Message Transmission	3
	10. LS5042 – Special Treatise on Microbiology	3
Institute of Statistics	11. ST7001 – Biometrics (I)	3
	12. ST7029 – Correlation Data Analysis	3
	13. ST8035 – Generalized Linear Mode I	3
Department of Biomedical Sciences and Engineering Cross-disciplinary translational medicine (Doctoral class)	14. TM7001 – Introduction to Translational Medicine	2
	15. TM7006 – Brain Science Translational Medicine	2
	16. TM7007 – Introduction to Machine Learning	3
	17. TM7009 – Physical Mechanism of Transcranial Stimulation	3
	18. TM7015 – Big Data and Machine Learning Techniques	3
	19. TM7016 – Microelectromechanical System Dynamics Modeling Method	3

	20. TM7018 – Introduction to Bioelectromagnetics	3
	21. TM7020 – Introduction to Translational Medicine II	2
	22. TM7028 – Medical Imaging Principles	3