

The Regulation and Study Requirement of Ph.D. Program in Business Chung Yuan Christian University

This edition passed by the Program Affairs Committee
in the spring semester,
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I. Development Emphasis

The educational goal of the Ph.D. Program in Business at Chung Yuan Christian University (hereby referred as the program) uses “International Economics and Trade,” “Accounting,” “Information Management,” and “Finance” as development base in business academia field to nurture talents in research, teaching, and top management with professional knowledge, technical skills, and characters.

Based on the abundant resources and excellent tradition in international economics and trade, finance, accounting, and information management of the Business College, Chung Yuan Christian University, the actual development will not be confined to the above academic fields and will be adjusted depending on the environment changes and student demands. In order to regulate the curriculum planning and dissertation examination related requirement, the Regulation and Study Requirement of Ph.D. Program in Business is created (hereby referred as the requirement).

II. Curriculum Planning

1. Graduation credits: 42 credits (12 dissertation credits included).
2. Prerequisite courses (not counted in the graduation credits).
 - (1) Students need to decide major academic field within one year of enrollment.
 - (2) Students need to complete prerequisite courses required by the major academic field (those already taken in the master program can apply for waiver).
 - (3) The minimum passing score is 70.

3. Required courses (total 12 credits)

- (1) Common required course (total 6 credits)
Quantitative Methods (I) or Quantitative Research Methods (3 credits)
Special Topic in Business Ethics (2 credits)
Special Topic in Research (1 credit)

Doctoral student could take “Quantitative Research Methods” and “Special Topic in Business Ethics” offered by Ph.D. Program in Business Administration

- (2) Required course for major field (total 6 credits)
Students need to take the required courses listed on “The Study Requirement of Ph.D. Program in Business, Chung Yuan Christian University.” Students who took required course in the major academic field and passed during the graduate school years could be waived to take that required course after receiving the consent of the course instructor. However, the course waived cannot be counted into graduate credit and students need to take an addition course offered in the doctoral program

4. Elective courses in specialty field (total 18 credits)

- (1) Students could take any listed courses in any field in the program. A limit of six credits for taking other doctoral programs in the university, among them three credits need to be taken in the Business College doctoral programs.
- (2) Students should complete six credits in Business Studies (I), (II), (III) sequentially
Only those who present at least one paper in international academic conference can take Business Studies (II); Only those who publish at least one article in level 4 or above journals can take Business Studies (III). Papers are limited to those co-authored with the adviser during the period student is enrolled in the doctoral program.
- (3) Students could apply for switch of major field and could be switched after the approval of the program affairs committee. Those who switch major field should take related courses following the requirement of that major field.

III. Graduation Requirement

1. Dissertation Advisor

- (1) Doctoral students need to choose one person (or above) among the program chair and the full time faculty of major academic field as dissertation advisor.
- (2) The full time faculty from the Department of Business Administration in the university could be dissertation advisor; however, students still need to invite one full time faculty from the major academic field as co-advisor.

- (3) The limit of accumulated points is 2 for faculty who advises doctoral students in the same enrolled academic year (one point for each doctoral student, points are shared for co-advisors based on the number of advisors).
- (4) Doctoral students must confirm dissertation advisor before taking Business Studies (I).
- (5) Students shall not change the dissertation advisor arbitrarily once being confirmed, if the advisor needs to be changed for particular reason, students could change after the program affairs committee approves.

2. Qualification Examination:

- (1) Students who do not pass the qualification examination within four years (the leave of absence is excluded) after the enrollment should be quitted from the university.
- (2) Qualification exam is divided into research method (choose one) and major academic field course (choose one) with total of two courses. The passing grade is 70 for each course taken. Doctoral students must apply for the examination by July 1 or February 1 each year and finish the examination within four weeks after the start of each semester.
- (3) Applicant qualification: Courses chosen for qualification examination receive passing grade..
- (4) Waiver application: Applicant could use the paper in level three (or above) academic journal to waive one course. Applicant must submit the letter of acceptance as proof during the application. Applicant cannot use that paper to count as the graduation points as well as cannot be used to waive language qualification. That published paper must be co-authored with full time faculty of the Business College under the name of “CYCU P.H.D. Program in Business” during the period when applicant is enrolled in the university and be reviewed and approved by the program affairs committee in order to be waived.

3. Language Proficiency Requirement

Required to meet one of the following conditions

- (1) TOEFL(IBT)73 score or TOEIC715 score
- (2) TOEFL(IBT)68 score or TOEIC675 score, and meet one of the following conditions:
 - i. One international conference paper written in English
 - ii. Take one master level English writing course offered by the Department of Applied Linguistics and Language Studies.
- (3) TOEFL(IBT)61 score or TOEIC625 score, and meet one of the following conditions:
 - i. Two international conference papers written in English

- ii. Take two master level courses in English writing offered by the Department of Applied Linguistics and Language Studies
 - iii. One international conference paper, plus one master level English writing course offered by the Department of Applied Linguistics and Language Studies.
- (4) Acquired college degrees or above from English speaking nations.
 - (5) One article in level 3 (or above) academic journal in English
 - (6) Two papers in top international academic conferences.

Using academic papers to apply must present the acceptance letter as proof and that paper cannot be counted in graduate publication points as well as cannot be used as waiver for qualification examination. That published paper must be co-authored with full time faculty of the Business College under the name of “CYCU P.H.D. Program in Business” during the period when applicant is enrolled in the doctoral program and be reviewed and approved by the program affairs committee in order to be waived.

4. Ph.D. Degree Examination

(1) Oral examination of dissertation proposal

- i. After the qualification examination, doctoral student could apply for “oral examination of dissertation.”
- ii. “Oral examination of dissertation” and “Ph.D. dissertation defense examination” must be conducted in different semester.
- iii. There are five to seven members (including advisor) of “Oral examination of dissertation” and “Ph.D. degree examination.” They are appointed by the chairperson of the Ph.D. program in Business; at least half of the members are outside university members.

(2) Research accomplishment publication

The doctoral dissertation should be written in English. Before applying for doctoral degree examination, the language proficiency standard should be reached and the publication of relevant research should be accumulated to above 8 (8 included, including at least one article published in level three or above academic journal). Applicant should submit proof of publication such as letter of acceptance; applicant using level three or level four journal publication should offer all the review comments from the paper submission to acceptance of publication.

The research accomplishment must be co-authored with full time faculty of the

Business College under the title of “CYCU P.H.D. Program in Business” during the period when applicant is enrolled in the university Ph.D. program and be reviewed and approved by the program affairs committee that can be counted in points. Two or more authors, except for the full time faculty of the College and the adviser, the first and corresponding author are weighted 5, the second author weighted 3, and the rest weighted 1.

(3) The points calculation method

i. Academic journal article

The First Level	SSCI, SCIE, A&HCI journal article	9 points for each article
The Second Level	TSSCI journal article	6 points for each article
The Third Level	Econlit, EI, CSSCI or equivalent level journal article	3 points, for each article
The Fourth Level	Other academic journal article with Anonymous review mechanism	2 points for each article
The Fifth Level	International academic conference paper	<ol style="list-style-type: none"> 1. 2 points for each best academic conference paper; 1 point for each other conference paper 2. Limit of 2 accumulated points

ii. Case

The First Level	Harvard Business School Publishing, Ivey Publishing, Richard Ivey School of Business Foundation collections	6 points for each case
The Second Level	Kung-Hwa Management Cases Collections, Taiwan Management Case Center collection	2 points for each case

iii. Patent innovation

The First Level	U.S. Japan, and European patent (must with business content)	3 points for each piece
The Second Level	other areas patent (must with business content)	2 points for each piece

IV. Applicable Students

Each student follows the program regulation and study requirement (hereby referred as the requirement) of the academic year he or she enrolls. But the revision of the requirement applies to all the current students.

V. Implementation and Revision

The regulation is implemented after the passing of the Program Affairs Meeting so does the revision.

Appendix I: The Comparison of New and Old TOEFL score

Total Score Comparison		
IBT	CBT	PBT
120	300	677
118	290	667
114-115	280	650-653
110	270	637
105	260	617-620
100	250	600-603
94-95	240	587
88-89	230	570-573
83	220	557-560
77-78	210	547
72-73	200	533
68	190	520
64	180	507-510
61	173	500
Not be listed below		

Appendix II: Other Equivalent Language tests

Test Name		Levels and Scores		
Cambridge Main Suite		Preliminary English Test (PET)	First Certificate in English (FCE)	Certificate in Advanced English (CAE)
BULATS		ALTE Level 2	ALTE Level 3	ALTE Level 4
Foreign language Proficiency Test (FLPT)	Paper Test Total Score	195	240	315
	Oral Test Score	S-2	S-2+	S-3 and above
GET		B1	B2	C1
TOEFL	PBT	457~526	527~559	560 above
	CBT	137~196	197~219	220 above
	IBT	47~70	71~82	83 above
TOEIC		600~699	700~799	800 above
IELTS		4 above	5.5 above	6.5 above
Japanese Language Proficiency Test		N4	N3	N2 and above

Appendix III: CYCU PH.D. Program in Business Prerequisite Courses

Field	International Economics and Trade	Finance	Accounting	Information Management
Pre-requisite	<ul style="list-style-type: none"> ● Quantitative Analysis ● International Finance ● International Business Management 	<ul style="list-style-type: none"> ● Quantitative Analysis ● Security Analysis and Investment ● International Finance 	<ul style="list-style-type: none"> ● Research Methods (Choose one among two) <ul style="list-style-type: none"> ■ Financial Accounting Theory (I) ■ Advanced Managerial Accounting 	<ul style="list-style-type: none"> ● Research Methods

Appendix IV: CYCU PH.D. Program in Business Elective Courses in

Specility Field

Field	International Economics and Trade	Finance	Accounting	Information Management
Elective	<ul style="list-style-type: none"> ● Seminar on International Business Management ● Seminar on International Finance ● International Logistics Management ● Special Topics in Macroeconomics 	<ul style="list-style-type: none"> ● Seminar on Financial Markets ● Seminar on Risk Management and Derivatives ● Seminar on Financial Management 	<ul style="list-style-type: none"> ● Methodology Issues in Financial Accounting Research ● Advanced Auditing ● Quantitative Methods (II) ● Accounting Information and Capital Market 	<ul style="list-style-type: none"> ● Electronic Commerce Theories and Applications ● Global Information Systems Strategies
	<ul style="list-style-type: none"> ● Business Studies (I) ● Business Studies (II) ● Business Studies (III) 			
Dissertation	Doctoral Dissertation (12 credits)			

Appendix V:

CYCU PH.D. Program in Business List of Top International Academic Conference

(Applicable for doctoral student started in 2017-2018 academic year)

I. Paper presented in the following international academic conference counted 2 points

1. Academy of Management Annual Meeting (AOM)
2. Academy of International Business Annual Meeting (AIB)
3. ACM Conference on Electronic Commerce
4. ACM Conference on Knowledge Discovery and Data Mining (KDD)
5. [ACM International Conference on Information and Knowledge Management \(CIKM\)](#)
6. Academy of Marketing Science (AMS) Annual Conference
7. Academy of Marketing Science (AMS)World Marketing Congress
8. Academy of Marketing Science (AMS) Cultural Perspectives in Marketing
9. [Advertising and Consumer Psychology \(ACP\) Conference](#)
10. [Allied Social Science Associations Annual Meeting \(ASSA\)](#)
11. [American economic association annual meeting](#)
12. American Finance Association Annual Meeting (AFA)
13. American Marketing Association (AMA) Summer Educator's Conference
14. American Marketing Association (AMA) Winter's Educator's Conference
15. [American Marketing Association \(AMA\)](#)
16. American Real Estate and Urban Economics Association Annual Conference (AREUEA)
17. American Risk and Insurance Association Annual Meeting (ARIA)
18. Annual Americas Conference on Information Systems (AMCIS)
19. [Annual Conference on Accounting Theory and Practice\(TWN\)](#)
20. [Annual Conference on American Accounting Association\(USA\)](#)
21. [Annual Conference on European Accounting Association \(Europe\)](#)
22. [Annual Conference, Western Economic Association International \(WEAI\) 3](#)
23. Asia Academy of Management Conference (AAOM)
24. Asia-Pacific Conference on Industrial Engineering and Management Systems (APIEMS)
25. Association for Consumer Research (ACR) Conference (North America)
26. Association for Consumer Research (ACR) Conference (Europe)
27. Association for Consumer Research (ACR) Conference (Asia Pacific)
28. [Australasian Conference on Information Systems \(ACIS\)](#)

29. Australasian Finance and Banking Conference
30. China International Conference in Finance (CICF)
31. Conference of the International Federation of Operational Research Societies (IFORS)
32. [Conference on Electronic Commerce](#)
33. [European Conference on Operational Research](#)
34. European Conference on Operational Research (EURO)
35. European Marketing Academy Conference (EMAC)
36. Frontiers in Service Conference
37. British Academy of Management Annual Conference (BAM)
38. Decision Sciences Institute (DSI) Annual Meeting
39. [Eastern Asia Society for Transportation Studies Bi-annual International Conference Meeting \(EASTS\)](#)
40. [Eastern Finance Association Annual Meeting \(EFA\)](#)
41. EUROMOT (The European Conference on Management of Technology)
42. European Academy of Management Annual Meeting (EURAM)
43. European Conference on Information Systems (ECIS)
44. European Finance Association Annual Meeting (EFA)
45. European Financial Management Association Annual Meeting (EFMA)
46. Financial Intermediation Research Society (FIRS)
47. Financial Management Association Annual Meeting (FMA)
48. [Financial Management Association Asian Conference \(FMA Asian\)](#)
49. [Financial Management Association European Conference \(FMA European\)](#)
50. [Hong Kong Society for Transportation Studies Annual Conference \(HKSTS\)](#)
51. Hawaii International Conference on Systems Sciences (HICSS)
52. [IAEE Conference \(International Association for Energy Economics\)](#)
53. IAMOT (International Conference on Management of Technology)
54. IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)
55. [IEEE International Conference on Intelligent Transportation Systems \(IEEE ITS\)](#)
56. IEEE International Conference on Management of Innovation and Technology
57. IEEM (International Conference on Industrial Engineering and Engineering Management)
58. IIE Annual Conference
59. Informs Marketing Science Society Conference
60. International Association for Chinese Management Research Conference (IACMR)
61. [International Conference in Business Process Management \(BPM\)](#)
62. International Conference on Electronic Commerce (ICEC)
63. International Conference on Information Systems (ICIS)
64. [International Conference on Computers and Industrial Engineering \(CIE\)](#)
65. [International Symposium on Transportation and Traffic Theory \(ISTTT\)](#)
66. [IEEE International Conference on Evolutionary Computation \(CEC\)](#)

67. International Conference on Information Systems Development (ISD)
68. IEEE International Conference on Neural Networks
69. IEEE International Conference on Services Computing
70. IEEE International Conference on Social Computing
71. IEEE International Conference on Systems, Man, and Cybernetics (IEEE-SMC)
72. International Conference on Industrial Engineering and Operations Management (IEOM)
73. International Conference on Project Management and Scheduling (PMS)
74. International Input-Output Conference
75. Workshop on Models and Algorithms for Planning and Scheduling Problems (MAPSP)
76. International Symposium on Mathematical Programming (ISMP)
77. ISPIM (International Society for Professional Innovation Management)
78. Labor and Employment Relations Association (LERA)
79. Midwest Finance Association Annual Meeting (MFA)
80. Pacific Asia Conference on Information Systems (PACIS)
81. Portland International Conference on Management of Engineering and Technology (PICMET)
82. SIAM Annual Meeting, including Optimization, Discrete Algorithms, etc.
83. Society for Industrial and Organizational Psychology Annual Conference (SIOP)
84. Society of Consumer Psychology (SCP) Conference (main conference)
85. Southwestern Finance Association (SWFA)
86. Southern Finance Association Annual Meeting (SFA)
87. Strategic Management Society Annual International Conference (SMS)
88. Summer Society of Consumer Psychology (SCP) Conference (Division 23 of APA)
89. The Congress of the East Asian Association of Environmental and Resource Economics
90. The Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting & Conference on Special Topics (e.g., Healthcare, OR, Analytics, etc.)
91. The Operational Research Society (ORS) Annual Conference & Young OR Conference
92. The POMS Annual Meeting
93. Transportation Research Board Annual Meeting (TRB)
94. WEAI Annual Conference (Western Economic Association International)
95. Western Finance Association Annual Meeting (WFA)

II. The list and subsequent revision enforced after the approval of the program affairs committee

Note: color separation/ International Economics and Trade/Accounting/Finance/ Information Management