

Course Structure for Ph. D Program

Department of English

National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
113	Division of Literature 3.0 Division of Linguistics 0.0 Division of TESOL 0.0 Literature 3.0 Linguistics 0.0 TESOL 0.0	Division of Literature 24.0 Division of Linguistics 27.0 Division of TESOL 30.0 Literature 24.0 Linguistics 27.0 TESOL 30.0	Division of Literature 0.0 Division of Linguistics 0.0 Division of TESOL 0.0 Literature 0.0 Linguistics 0.0 TESOL 0.0	Division of Literature 27.0 Division of Linguistics 27.0 Division of TESOL 30.0 Literature 27.0 Linguistics 27.0 TESOL 30.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

I. Required Courses: 0.0 credit is required

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

A-1. Required Course for Division of Literature, 3.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
END1063	1 E Research Methods : Literature and Culture Studies	3.0	3.0	0.0	

A-2. Elective Course for Division of Literature, 24.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC1001	1 E Studies in Shakespeare	3.0	3.0	0.0	
ENC1005	2 E Renaissance Literature	3.0	3.0	0.0	
ENC1007	3 E Victorian Literature,1830-1900	3.0	3.0	0.0	
ENC1011	4 E Major 20th-Century American Authors	3.0	3.0	0.0	
ENC1022	5 E Contemporary Western Drama	3.0	3.0	0.0	
ENC1029	6 E Innovation of Modern Theater and Drama	3.0	3.0	0.0	
ENC1036	7 E Studies in James Joyce	3.0	3.0	0.0	
ENC1051	8 E Autobiography	3.0	3.0	0.0	
ENC1062	9 E Studies on Irish Literature	3.0	3.0	0.0	
ENC1065	10 E 19th-Century English Novel	3.0	3.0	0.0	
ENC1068	11 E Contemporary Novels in English	3.0	3.0	0.0	
ENC1124	12 E Visual Culture Theory and Practice	3.0	3.0	0.0	
ENC1075	13 E Contemporary Cultural Production and Space	3.0	3.0	0.0	
ENC1081	14 E Asian American Literature	3.0	3.0	0.0	
ENC1082	15 E New England and China: Literary and Artistic Contacts, 1700-1945	3.0	3.0	0.0	
ENC1085	16 E Foucault and Religion	3.0	3.0	0.0	
ENC1087	17 E Queer and Cinema	3.0	3.0	0.0	
ENC1090	18 E Expansion of the Empires	3.0	3.0	0.0	
ENC1091	19 E Seminar on Toni Morrison	3.0	3.0	0.0	
ENC1094	20 E Biopolitics and Bioethics	3.0	3.0	0.0	
ENC1096	21 E Modern and Contemporary Poetry in English	3.0	3.0	0.0	
ENC1097	22 E Race and Cultural Representation	3.0	3.0	0.0	
ENC1101	23 E The City, the Body, and Cultural Creativity	3.0	3.0	0.0	
ENC1102	24 E Center of the Empire and Its Peripherals: Arthur Conan Doyle and Sherlock Holmes	3.0	3.0	0.0	
ENC1103	25 E Theories of Narrative	3.0	3.0	0.0	
ENC1123	26 E Memory Studies	3.0	3.0	0.0	
ENC1106	27 E Special Topics on Demonic Possession	3.0	3.0	0.0	
ENC1107	28 E Early Modern Literary and Cultural Studies	3.0	3.0	0.0	
ENC1109	29 E Special Topics on Horror Genre	3.0	3.0	0.0	
ENC1110	30 E New Media Studies and Literature	3.0	3.0	0.0	
ENC1111	31 E Studies in Nineteenth-Century European Poetry	3.0	3.0	0.0	
ENC1112	32 E Seminar on Urban Literature	3.0	3.0	0.0	
ENC1113	33 E Emotion in Early Modern Literature and Culture	3.0	3.0	0.0	
ENC1116	34 E Seminar on Umberto Eco: Philosophy, Fiction and Culture	3.0	3.0	0.0	
ENC1119	35 E Ecocriticism	3.0	3.0	0.0	
END1007	36 E James Joyce's Ulysses	2.0	2.0	0.0	
END1008	37 E Special Topics in American Renaissance	3.0	3.0	0.0	
END1009	38 E Special Topics in Modern American Literature	3.0	3.0	0.0	
END1026	39 E Special Topics in Contemporary Theory (I)	3.0	3.0	0.0	
END1057	40 E Contemporary British Fiction	3.0	3.0	0.0	
END1067	41 E Global Art Cinema	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
END1068	42 E Special Topics on British and American Crime Fiction	3.0	3.0	0.0	
END1069	43 E Special Topics on Time and Memory	3.0	3.0	0.0	
END1070	44 E Global Wuxia: Martial Arts Images and Postcoloniality	3.0	3.0	0.0	
END1071	45 E Studies in the Literature of War Trauma	3.0	3.0	0.0	
END1072	46 E Seminar on Science Fiction	3.0	3.0	0.0	
ENC1120	47 E Seminar on Literary and Cultural Gerontology	3.0	3.0	0.0	
ENC1117	48 E Readings in British and American Literary History	3.0	3.0	0.0	
ENC1121	49 E Special Topics on Nihilism: Philosophy, Literature and Culture	3.0	3.0	0.0	
ENC1122	50 E Seminar on Kazuo Ishiguro	3.0	3.0	0.0	
ENC1125	51 E Southeast Asian Literature in English	3.0	3.0	0.0	
ENC1126	52 E Love in Literature and Culture	3.0	3.0	0.0	
ENC1128	53 E Special Topics on Twentieth-Century Literature	3.0	3.0	0.0	
END1073	54 E Studies in Modern Poetry and Music	3.0	3.0	0.0	
END1074	55 E Thinking the Contemporary: Literature, Film, Theory	3.0	3.0	0.0	
END1075	56 E Seminar on Irish Literature	3.0	3.0	0.0	
ENC1130	57 E Introduction to Animal Studies	3.0	3.0	0.0	

B-1. Required Course for Division of Linguistics, 0.0 credit is required

B-2. Elective Course for Division of Linguistics, 27.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC2001	1 E Acoustic Phonetics	3.0	3.0	0.0	
ENC2003	2 E Functional Grammar	3.0	3.0	0.0	
ENC2007	3 E Generative Theory and Chinese Syntax	3.0	3.0	0.0	
ENC2008	4 E Comparative Study of Chinese Syntax and English Syntax	3.0	3.0	0.0	
ENC2010	5 E Comparative Study of Mandarin Syntax and Taiwanese Syntax	3.0	3.0	0.0	
ENC2012	6 E Formosan Syntax	3.0	3.0	0.0	
ENC2014	7 E Studies in Semantics	3.0	3.0	0.0	
ENC2026	8 E Sociolinguistics	3.0	3.0	0.0	
ENC2031	9 E English Vocabulary and Etymology	3.0	3.0	0.0	
ENC2034	10 Linguistic Fieldwork	3.0	3.0	0.0	
ENC2036	11 E Corpus Linguistics	3.0	3.0	0.0	
ENC2037	12 E Language and Cognition	3.0	3.0	0.0	
ENC2038	13 E Studies in Syntax	3.0	3.0	0.0	
ENC2041	14 E Psycholinguistics	3.0	3.0	0.0	
ENC2042	15 Topics on Optimality Theory	3.0	3.0	0.0	
ENC2044	16 E Linguistic Typology and Language Universals	3.0	3.0	0.0	
ENC2045	17 E Computational Linguistics	3.0	3.0	0.0	
ENC2046	18 E Studies in Formal Semantics	3.0	3.0	0.0	
ENC2047	19 E Neurolinguistics	3.0	3.0	0.0	
ENC2050	20 E Studies in Comparative Syntax	3.0	3.0	0.0	
ENC2051	21 E Comparative Syntax: English, Chinese, and Romance Languages	3.0	3.0	0.0	
ENC2052	22 E First Language Acquisition	3.0	3.0	0.0	
ENC2053	23 E Quantitative Methods and R Programming	3.0	3.0	0.0	
ENC2054	24 E Topics on English Syntax	3.0	3.0	0.0	
ENC2055	25 E Introduction to Programming Languages for Linguistic Analysis	3.0	3.0	0.0	
ENC2056	26 E Topics on Quantitative Corpus Linguistics	3.0	3.0	0.0	
END2001	27 Seminar in Phonology	3.0	3.0	0.0	
END2003	28 E Seminar in Syntax	3.0	3.0	0.0	
END2007	29 E Seminar in Semantics	3.0	3.0	0.0	
END2017	30 E Seminar in Sociolinguistics	3.0	3.0	0.0	
END2019	31 E Seminar in Applied Linguistics	3.0	3.0	0.0	
END2021	32 E Theories of Language and Cognition	3.0	3.0	0.0	
END2033	33 E Seminar on Phonetics	3.0	3.0	0.0	
END2037	34 E Seminar on Neurolinguistic Methodology	3.0	3.0	0.0	
ENC2057	35 E Multivariate Statistics	3.0	3.0	0.0	
ENC2059	36 E Academic Writing and Oral Presentation Skills for Humanities & Social Sciences	3.0	3.0	0.0	
ENC2060	37 E Second Language Acquisition	3.0	3.0	0.0	
ENC2061	38 E Studies in Sociolinguistics	3.0	3.0	0.0	
ENC2063	39 E Topics on Current Issues in Syntax	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC2064	40 E Discourse and Text Analysis	3.0	3.0	0.0	
ENC2067	41 E Studies in Pragmatics	3.0	3.0	0.0	
ENC2066	42 E Advanced Phonetics	3.0	3.0	0.0	
ENC2065	43 E Pragmatics	3.0	3.0	0.0	

C-1. Required Course for Division of TESOL, 0.0 credit is required

C-2. Elective Course for Division of TESOL, 30.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC3005	1 E Topics in Computer and Language Teaching	3.0	3.0	0.0	
ENC3029	2 E Language Testing and Measurement	3.0	3.0	0.0	
ENC3030	3 E Topics in Applied ELT Theory	3.0	3.0	0.0	
ENC3031	4 E Teaching Aural-Oral Communication : Theory & Practice	3.0	3.0	0.0	
ENC3033	5 E EFL Course Design and Evaluation of Teaching Materials	3.0	3.0	0.0	
ENC3035	6 E Second/Foreign Language Acquisition	3.0	3.0	0.0	
ENC3037	7 E Studies in Second Language Vocabulary Acquisition	3.0	3.0	0.0	
ENC3038	8 E Teaching Reading and Writing in ESL/EFL Contexts	3.0	3.0	0.0	
ENC3040	9 E Biliteracy Development	3.0	3.0	0.0	
ENC3044	10 E Cultural Issues in EFL Written Communication	3.0	3.0	0.0	
ENC3045	11 E Culture and English Language Teaching	3.0	3.0	0.0	
ENC3049	12 E Research Design for Second Language Acquisition	3.0	3.0	0.0	
ENC3050	13 E Second/ Foreign Language Education Policy	3.0	3.0	0.0	
ENC3051	14 E Topics on Writing Design	3.0	3.0	0.0	
END3005	15 E Seminar on Reading Research	3.0	3.0	0.0	
END3006	16 E Seminar on Second/Foreign Language Acquisition	3.0	3.0	0.0	
END3014	17 E Seminar on Language Teaching	3.0	3.0	0.0	
END3015	18 E ELT Theory and Practice	3.0	3.0	0.0	
END3017	19 E Seminar on Computer and Language Teaching	3.0	3.0	0.0	
END3020	20 E Seminar on Measuring Second Language Acquisition	3.0	3.0	0.0	
END3021	21 E Seminar on Learning and Writing	3.0	3.0	0.0	
ENC3052	22 E Creativity and Foreign Language Teaching	3.0	3.0	0.0	
ENC3053	23 E Content and Language Integrated Learning	3.0	3.0	0.0	

D-1. Required Course for Literature, 3.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
END1063	1 E Research Methods : Literature and Culture Studies	3.0	3.0	0.0	

D-2. Elective Course for Literature, 24.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC1001	1 E Studies in Shakespeare	3.0	3.0	0.0	
ENC1005	2 E Renaissance Literature	3.0	3.0	0.0	
ENC1007	3 E Victorian Literature,1830-1900	3.0	3.0	0.0	
ENC1011	4 E Major 20th-Century American Authors	3.0	3.0	0.0	
ENC1022	5 E Contemporary Western Drama	3.0	3.0	0.0	
ENC1029	6 E Innovation of Modern Theater and Drama	3.0	3.0	0.0	
ENC1036	7 E Studies in James Joyce	3.0	3.0	0.0	
ENC1051	8 E Autobiography	3.0	3.0	0.0	
ENC1062	9 E Studies on Irish Literature	3.0	3.0	0.0	
ENC1065	10 E 19th-Century English Novel	3.0	3.0	0.0	
ENC1068	11 E Contemporary Novels in English	3.0	3.0	0.0	
ENC1075	12 E Contemporary Cultural Production and Space	3.0	3.0	0.0	
ENC1081	13 E Asian American Literature	3.0	3.0	0.0	
ENC1082	14 E New England and China: Literary and Artistic Contacts, 1700-1945	3.0	3.0	0.0	
ENC1085	15 E Foucault and Religion	3.0	3.0	0.0	
ENC1087	16 E Queer and Cinema	3.0	3.0	0.0	
ENC1090	17 E Expansion of the Empires	3.0	3.0	0.0	
ENC1091	18 E Seminar on Toni Morrison	3.0	3.0	0.0	
ENC1094	19 E Biopolitics and Bioethics	3.0	3.0	0.0	
ENC1096	20 E Modern and Contemporary Poetry in English	3.0	3.0	0.0	
ENC1097	21 E Race and Cultural Representation	3.0	3.0	0.0	
ENC1101	22 E The City, the Body, and Cultural Creativity	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC1102	23 E Center of the Empire and Its Peripherals: Arthur Conan Doyle and Sherlock Holmes	3.0	3.0	0.0	
ENC1103	24 E Theories of Narrative	3.0	3.0	0.0	
ENC1106	25 E Special Topics on Demonic Possession	3.0	3.0	0.0	
ENC1107	26 E Early Modern Literary and Cultural Studies	3.0	3.0	0.0	
ENC1109	27 E Special Topics on Horror Genre	3.0	3.0	0.0	
ENC1110	28 E New Media Studies and Literature	3.0	3.0	0.0	
ENC1111	29 E Studies in Nineteenth-Century European Poetry	3.0	3.0	0.0	
ENC1112	30 E Seminar on Urban Literature	3.0	3.0	0.0	
ENC1113	31 E Emotion in Early Modern Literature and Culture	3.0	3.0	0.0	
ENC1117	32 E Readings in British and American Literary History	3.0	3.0	0.0	
ENC1116	33 E Seminar on Umberto Eco: Philosophy, Fiction and Culture	3.0	3.0	0.0	
ENC1119	34 E Ecocriticism	3.0	3.0	0.0	
ENC1120	35 E Seminar on Literary and Cultural Gerontology	3.0	3.0	0.0	
ENC1121	36 E Special Topics on Nihilism: Philosophy, Literature and Culture	3.0	3.0	0.0	
ENC1122	37 E Seminar on Kazuo Ishiguro	3.0	3.0	0.0	
ENC1123	38 E Memory Studies	3.0	3.0	0.0	
ENC1124	39 E Visual Culture Theory and Practice	3.0	3.0	0.0	
END1007	40 E James Joyce's Ulysses	2.0	2.0	0.0	
END1008	41 E Special Topics in American Renaissance	3.0	3.0	0.0	
END1009	42 E Special Topics in Modern American Literature	3.0	3.0	0.0	
END1026	43 E Special Topics in Contemporary Theory (I)	3.0	3.0	0.0	
END1057	44 E Contemporary British Fiction	3.0	3.0	0.0	
END1067	45 E Global Art Cinema	3.0	3.0	0.0	
END1068	46 E Special Topics on British and American Crime Fiction	3.0	3.0	0.0	
END1069	47 E Special Topics on Time and Memory	3.0	3.0	0.0	
END1070	48 E Global Wuxia: Martial Arts Images and Postcoloniality	3.0	3.0	0.0	
END1071	49 E Studies in the Literature of War Trauma	3.0	3.0	0.0	
END1072	50 E Seminar on Science Fiction	3.0	3.0	0.0	
ENC1125	51 E Southeast Asian Literature in English	3.0	3.0	0.0	
ENC1126	52 E Love in Literature and Culture	3.0	3.0	0.0	
TIC8024	53 E Literary Translation: Theory, Criticism, and Workshop	3.0	3.0	0.0	
ENC1128	54 E Special Topics on Twentieth-Century Literature	3.0	3.0	0.0	
END1073	55 E Studies in Modern Poetry and Music	3.0	3.0	0.0	
END1074	56 E Thinking the Contemporary: Literature, Film, Theory	3.0	3.0	0.0	
END1075	57 E Seminar on Irish Literature	3.0	3.0	0.0	
ENC1130	58 E Introduction to Animal Studies	3.0	3.0	0.0	

E-1. Required Course for Linguistics, 0.0 credit is required

E-2. Elective Course for Linguistics, 27.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC2001	1 E Acoustic Phonetics	3.0	3.0	0.0	
ENC2003	2 E Functional Grammar	3.0	3.0	0.0	
ENC2007	3 E Generative Theory and Chinese Syntax	3.0	3.0	0.0	
ENC2008	4 E Comparative Study of Chinese Syntax and English Syntax	3.0	3.0	0.0	
ENC2010	5 E Comparartive Study of Mandarin Syntax and Taiwanese Syntax	3.0	3.0	0.0	
ENC2012	6 E Formosan Syntax	3.0	3.0	0.0	
ENC2014	7 E Studies in Semantics	3.0	3.0	0.0	
ENC2026	8 E Sociolinguistics	3.0	3.0	0.0	
ENC2031	9 E English Vocabulary and Etymology	3.0	3.0	0.0	
ENC2036	10 E Corpus Linguistics	3.0	3.0	0.0	
ENC2037	11 E Language and Cognition	3.0	3.0	0.0	
ENC2038	12 E Studies in Syntax	3.0	3.0	0.0	
ENC2041	13 E Psycholinguistics	3.0	3.0	0.0	
ENC2044	14 E Linguistic Typology and Language Universals	3.0	3.0	0.0	
ENC2045	15 E Computational Linguistics	3.0	3.0	0.0	
ENC2046	16 E Studies in Formal Semantics	3.0	3.0	0.0	
ENC2047	17 E Neurolinguistics	3.0	3.0	0.0	
ENC2050	18 E Studies in Comparative Syntax	3.0	3.0	0.0	
ENC2051	19 E Comparative Syntax: English, Chinese, and Romance Languages	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC2052	20 E First Language Acquisition	3.0	3.0	0.0	
ENC2053	21 E Quantitative Methods and R Programming	3.0	3.0	0.0	
ENC2054	22 E Topics on English Syntax	3.0	3.0	0.0	
ENC2055	23 E Introduction to Programming Languages for Linguistic Analysis	3.0	3.0	0.0	
ENC2056	24 E Topics on Quantitative Corpus Linguistics	3.0	3.0	0.0	
ENC2057	25 E Multivariate Statistics	3.0	3.0	0.0	
ENC2059	26 E Academic Writing and Oral Presentation Skills for Humanities & Social Sciences	3.0	3.0	0.0	
ENC2060	27 E Second Language Acquisition	3.0	3.0	0.0	
END2003	28 E Seminar in Syntax	3.0	3.0	0.0	
END2007	29 E Seminar in Semantics	3.0	3.0	0.0	
END2017	30 E Seminar in Sociolinguistics	3.0	3.0	0.0	
END2019	31 E Seminar in Applied Linguistics	3.0	3.0	0.0	
END2021	32 E Theories of Language and Cognition	3.0	3.0	0.0	
END2033	33 E Seminar on Phonetics	3.0	3.0	0.0	
END2037	34 E Seminar on Neurolinguistic Methodology	3.0	3.0	0.0	
ENC2061	35 E Studies in Sociolinguistics	3.0	3.0	0.0	
ENC2063	36 E Topics on Current Issues in Syntax	3.0	3.0	0.0	
ENC2064	37 E Discourse and Text Analysis	3.0	3.0	0.0	
ENC2067	38 E Studies in Pragmatics	3.0	3.0	0.0	
ENC2066	39 E Advanced Phonetics	3.0	3.0	0.0	
ENC2065	40 E Pragmatics	3.0	3.0	0.0	

F-1. Required Course for TESOL, 0.0 credit is required

F-2. Elective Course for TESOL, 30.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ENC3005	1 E Topics in Computer and Language Teaching	3.0	3.0	0.0	
ENC3029	2 E Language Testing and Measurement	3.0	3.0	0.0	
ENC3030	3 E Topics in Applied ELT Theory	3.0	3.0	0.0	
ENC3031	4 E Teaching Aural-Oral Communication : Theory & Practice	3.0	3.0	0.0	
ENC3033	5 E EFL Course Design and Evaluation of Teaching Materials	3.0	3.0	0.0	
ENC3035	6 E Second/Foreign Language Acquisition	3.0	3.0	0.0	
ENC3037	7 E Studies in Second Language Vocabulary Acquisition	3.0	3.0	0.0	
ENC3038	8 E Teaching Reading and Writing in ESL/EFL Contexts	3.0	3.0	0.0	
ENC3040	9 E Biliteracy Development	3.0	3.0	0.0	
ENC3044	10 E Cultural Issues in EFL Written Communication	3.0	3.0	0.0	
ENC3045	11 E Culture and English Language Teaching	3.0	3.0	0.0	
ENC3049	12 E Research Design for Second Language Acquisition	3.0	3.0	0.0	
ENC3050	13 E Second/ Foreign Language Education Policy	3.0	3.0	0.0	
ENC3051	14 E Topics on Writing Design	3.0	3.0	0.0	
ENC3052	15 E Creativity and Foreign Language Teaching	3.0	3.0	0.0	
ENC3053	16 E Content and Language Integrated Learning	3.0	3.0	0.0	
END3005	17 E Seminar on Reading Research	3.0	3.0	0.0	
END3006	18 E Seminar on Second/Foreign Language Acquisition	3.0	3.0	0.0	
END3014	19 E Seminar on Language Teaching	3.0	3.0	0.0	
END3015	20 E ELT Theory and Practice	3.0	3.0	0.0	
END3017	21 E Seminar on Computer and Language Teaching	3.0	3.0	0.0	
END3020	22 E Seminar on Measuring Second Language Acquisition	3.0	3.0	0.0	
END3021	23 E Seminar on Learning and Writing	3.0	3.0	0.0	

IV. Free Elective Credits

A Free Elective Credit for Division of Literature, 0.0 credit is required

B Free Elective Credit for Division of Linguistics, 0.0 credit is required

C Free Elective Credit for Division of TESOL, 0.0 credit is required

D Free Elective Credit for Literature, 0.0 credit is required

E Free Elective Credit for Linguistics, 0.0 credit is required

F Free Elective Credit for TESOL, 0.0 credit is required