Bachelor of Science Program in Integrated Design in Emerging Architecture (IDEA) <u>Curriculum Structure for student code 62</u>

A. Curriculum Structure		
(1) General Education	Total	30 Credits
- Language and Communication		12 Credits
- Humanities and Social Sciences		9 Credits
 Science and Mathematics 		6 Credits
 Learning through Activities 		3 Credits
(2) Field of Specialization	not least than	105 Credits
- Core Course		36 Credits
– Major	not least than	69 Credits
- Required Courses		54 Credits
- Major Elective	not least than	15 Credits
– Minor		None
(3) Free Elective	not least than	6 Credits
B. Course Structure		
(1) General Education	Total	30
Credits		
1.1 Language and Communication		12
Credits		
001101 Fundamental English 1		3(3-0-6)
001102 Fundamental English 2		3(3-0-6)
001201 Critical Reading and Effective Writing		3(3-0-6)
001202 English in Professional Contexts		3(3-0-6)
1.2 Humanities and Social Sciences		9 Credits
Can choose three courses from the following	ngs	
011269 Philosophy of Sufficiency Economy	/	3(3-0-6)
011251 Logic		(6-0-3)3
154104 Environmental Conservation		3(3-0-6)
154106 Disaster in Modern World		3(3-0-6)
159100 Modern World in Everyday Life		3(3-0-6)
176100 Law and Modern World		3(3-0-6)
103271 Music Appreciation		3(3-0-6)
109100 Man and Art		3(3-0-6)

1.3 Sci	ence and Mathematics			6 Credits
Can ch	oose two courses from the f	ollowings		
2011	10 Integrated Mathematical So	ciences		3(2-2-5)
2011	14 Environmental Science in ⁻	Foday's World		3(3-0-6)
2011	17 Mathematics and Science i	n Civilization		3(3-0-6)
2071	10 Physics : The Science That	Changed the World		3(3-0-6)
1.4 Lea	rning through Activities			3 Credits
8011	05 Learning Through Activitie	s 1		2(0-6-2)
8011	06 Learning Through Activitie	s 2		1(0-3-1)
(2) Field of	Specialization	not least than	105	Credits
(2) Field of 2.1 Core	-	not least than	105	Credits 36 Credits
2.1 Core	-		105	
2.1 Core	Course	ecture Studio 1	105	36 Credits
2.1 Core 804111	Course Fundamental Design in Archite	ecture Studio 1 ecture Studio 2	105	36 Credits 5(1-8-6)
2.1 Core 804111 804112	Course Fundamental Design in Archite Fundamental Design in Archite	ecture Studio 1 ecture Studio 2 e Studio 1	105	36 Credits 5(1-8-6) 5(1-8-6)
2.1 Core 804111 804112 804211	Course Fundamental Design in Archite Fundamental Design in Archite Creative Design in Architecture	ecture Studio 1 ecture Studio 2 e Studio 1 e Studio 2	105	36 Credits 5(1-8-6) 5(1-8-6) 5(1-8-6)
2.1 Core 804111 804112 804211 804212	Course Fundamental Design in Archite Fundamental Design in Archite Creative Design in Architecture Creative Design in Architecture	ecture Studio 1 ecture Studio 2 e Studio 1 e Studio 2 e Studio 3	105	36 Credits 5(1-8-6) 5(1-8-6) 5(1-8-6) 5(1-8-6)
2.1 Core 804111 804112 804211 804212 804311	Course Fundamental Design in Archite Fundamental Design in Archite Creative Design in Architecture Creative Design in Architecture Creative Design in Architecture	ecture Studio 1 ecture Studio 2 e Studio 1 e Studio 2 e Studio 3 e Studio 4	105	36 Credits 5(1-8-6) 5(1-8-6) 5(1-8-6) 5(1-8-6) 5(1-8-6)

2.2 Major not least than 69 Credits

For all major courses, a minimum of 36 credits must be taken from courses 300 level or higher, within these credits at least 18 credits must be courses of 400 level or higher.

2.2.1 Require	ed Courses	54	Credits
804102	Human Behavior and Built Environment		3(3-0-6)
804121	History of Eastern Creative Arts and Architecture		3(3-0-6)
804201	Design Communication and Presentation		3(2-2-5)
804202	Theory in Digital Communication and Creative		3(2-2-5)
	Computer Aided Design		
804221	Perception of Architectural Space		3(3-0-6)
804222	History of Western Creative Arts and Architecture		3(3-0-6)
804231	Materials and Construction 1		3(3-0-6)
804232	Materials and Construction 2		3(1-4-4)
804233	Basic Building and Energy Systems		3(1-4-4)
804234	Architectural Structure 1		3(1-4-4)
804321	Theory and Philosophy of Postmodern Arts and		3(3-0-6)
	Architecture		
804322	Theory and Philosophy of Contemporary Thai Arts		3(3-0-6)

and Architecture

	and Architecture			
804331	Applied Building	and Energy System		3(1-4-4)
804332	Architectural Stru	ucture 2		3(2-2-5)
804333	Advanced Archite	ectural Structure		3(1-4-4)
804371	Sustainable Urba	an Architecture and Communities		3(3-0-6)
804372	Integrated Fields	and Systems in Architecture and		3(3-0-6)
	Urbanism			
804483	Principle in Archi	tecture Professional Practice		3(3-0-6)
2.2.2 N	lajor Elective	not least than	15	Credits
<u>Option 1</u>				
804411	Selected Topics in A	Architectural Design Studio		3(0-6-3)
804481	Architecture Interns	hip		3(0-6-3)
Option 2	2			
804482	Cooperative Educat	ion		6 Credits
Both opt	ions can choose thr	ree courses from the followings		
804401	Seminar in Evolution	n of New Contemporary Designs		3(4-4-1)
804402	Hidden Thought in ,	Architectural Design		3(3-0-6)
804403	History and Theory	of Asian Architecture and Cities		3(3-0-6)
804404	Real Estate Econom	nics and Facilities Management		3(2-2-5)
2.3Minor				None
(3) Free Elective		not least than	6	Credits
(4) Overall credit		not least than	141	Credits
Study Plan				

Year 1

First sem	ester	Credit
801105	Learning Through Activities 1	2(0-6-2)
801106	Learning Through Activities 2	1(0-3-1)
804121	History of Eastern Creative Arts and Architecture	3(3-0-6)
804111	Fundamental Design in Architecture Studio 1	5(1-8-6)
001101	Fundamental English 1	3(3-0-6)
	Science and Mathematics	3
	Humanities and Social Sciences	3
	Total	20

Second semester		Credit
804112	Fundamental Design in Architecture Studio 2	5(1-8-6)
804102	Human Behavior and Built Environment	3(3-0-6)
001102	Fundamental English 2	3(3-0-6)
	Science and Mathematics	3
	Humanities and Social Sciences	3
	Humanities and Social Sciences	3
	Total	20

Year

First seme	ster	Credit
804201	Design Communication and Presentation	3(2-2-5)
804211	Creative Design in Architecture Studio 1	5(1-8-6)
804221	Perception of Architectural Space	3(3-0-6)
804222	History of Western Creative Arts and Architecture	3(3-0-6)
804231	Materials and Construction 1	3(3-0-6)
001201	Critical Reading and Effective Writing	3(3-0-6)
	Total	20

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	Total	20
804234	Architectural Structure 1	3(1-4-4)
804233	Basic Building and Energy Systems	3(1-4-4)
804232	Materials and Construction 2	3(1-4-4)
804212	Creative Design in Architecture Studio 2	5(1-8-6)
	Design	
804202	Theory in Digital Communication and Creative Computer Aided	3(2-2-5)
001202	English in Professional Contexts	3(3-0-6)

Year 3

First semes	ter	Credit
804311	Creative Design in Architecture Studio 3	5(1-8-6)
804321	Theory and Philosophy of Postmodern Arts and Architecture	3(3-0-6)
804331	Applied Building and Energy System	3(1-4-4)
804332	Architectural Structure 2	3(2-2-5)
804371	Sustainable Urban Architecture and Communities	3(3-0-6)
	Free Elective	3
	Total	20

Second semester		Credit
804312	Creative Design in Architecture Studio 4	5(1-8-6)
804322	Theory and Philosophy of Contemporary Thai Arts and	3(3-0-6)
	Architecture	
804333	Advanced Architectural Structure	3(1-4-4)
804372	Integrated Fields and Systems in Architecture and Urbanism	3(3-0-6)
	Free Elective	3
	17	

Year 4

<u>Option 1</u>

First sem	ester	Credit
804411	Selected Topics in Architectural Design Studio	3(0-6-3)
804481	Architecture Internship	3(0-6-3)
	Total	6

Option 2

First semester		Credit
804482	Cooperative Education	6(0-30-0)
	Total	6

Second semester

Second semester		Credit
804412	Creative Design in Architecture Studio 5	6(1-10-7)
804483	Principle in Architecture Professional Practice	(6-0-3)3
	Major Elective	3
	Major Elective	3
	Major Elective	3
	Total	18