



## UI GreenMetric Questionnaire

University : Ubon Ratchathani Rajabhat University  
 Country : Thailand  
 Web Address : <https://www.ubru.ac.th/>

### [6] Education and Research (ED)

#### [6.1] Number of Courses/Subjects Related to Sustainability Offered

number	engname_course1	engname_course2
1	Environmental Microbiology	-
2	Agricultural Microbiology and Application	-
3	Geographic Information System for	Environmental Managements
4	Social welfare and Social work	-
5	Social Network Technology	-
6	Environmental Management	-
7	Ecology for Environmentalists	-
8	Cross Cultural Management	-
9	Mathematics and Statistical Methods for	Agricultural Research
10	Social Enterprises and Social Entrepreneurship	-
11	Agricultural Marketing Analysis and Management	-
12	Environmental Chemistry	-
13	Cross Cultural Communication	-
14	Knowledge Management and Social Innovation	-
15	Environmental Science Foundation	-
16	Social Change and Digital Society Culture	-
17	Environmental Toxicology	-
18	Multicultural Management and	Communication
19	Agricultural Products Processing	-
20	Environmental Law Policy and Ethics	-
21	Community Enterprise Management and Cultural	Management
22	Social Studies Curriculum and Learning	Management in Elementary Education
23	Agricultural Information Technology	-
24	Introduction of Economics	-
25	Environmental Health	-
26	Social Studies for Elementary Teachers	-
27	English for Environmental Science	-
28	Introduction to Geographic Information System for	Environmental Scientists
29	Innovations and Digital Media for Social Studies	-
30	Seminar and Social Studies Action Research	-
31	Environmental Microbiology	-
32	English for Cultural Communication in Business	-
33	Occupational Health and Safety and	Environmental Laws
34	Social Studies Curriculum Development	-
35	Food Business Economics	-
36	Emotional Quotient and Social Quotient	Activities for Early Childhood Students



37	Environmental Chemistry	-
38	Public Health Economics	-
39	Principles of Economics	-
40	Cross Cultural Communication	-
41	Environmental Analysis and Impact Assessment	-
42	Law and Standardization of Agricultural Products	-
43	Cross-Cultural Communication	-
44	English for Cross-Cultural Communication in	Hospitality Industry
45	Digital and Social Media Marketing	-
46	Standards for Occupational Health Safety	Working Environmental Management
47	Social Commerce for Digital Business	-
48	Intelligent Agricultural	-
49	Cross Cultural Human Resource Management	-
50	Environmental Research	-
51	Statistics for Social Science Research	-
52	Educational Science in Social Studies Teaching	-
53	Environmental Statistics and Research	Methodology
54	Environmental Community Study for	Learning Management
55	Happiness in Multicultural Society	-
56	Agricultural System	-
57	Introduction to Social Science Research	Methodology
58	Social Commerce for Digital Business	-
59	Social Innovation for Creative Development	-
60	Occupational Health and Safety and	Environmental Laws
61	Environmental Health in Public Health	-
62	Agricultural Genetics and Biotechnology	-
63	Environmental Health Approach	-
64	Environmental and Animal Waste Management	-
65	Agricultural Microbiology	-
66	Innovation and Information Technology for	Educational Communication and Learning
67	Concrete Technology	-
68	Marketing for Community Business	-
69	Science of Learning Management	-
70	Technology Multimedia and Animation Project	-
71	Business Plan	-
72	Multimedia Application Development	-
73	Food Packaging	-
74	Health Promotion	-
75	Restorative Justice Administration	-
76	Construction Material Laboratory	-
77	Educational Database Management System	-
78	Industrial Hygiene Sampling and analysis	-
79	Human Resource Management for Tourism and	Hospitality
80	Industrial Product Design	-
81	Human Anatomy and Physiology for Sport and	Exercise Science
82	Presentation Strategies and Techniques	for Communication
83	Food Industry Entrepreneur and Management	-
84	Research Methodology for Tourism and Hospitality	-



85	Epidemiology for Occupational Health and Safety	-
86	Community Health Nursing Practicum	-
87	Global Marketing	-
88	Principle of Political Science	-
89	Compensation Management	-
90	Value added Building from Local Wisdom	-
91	Information Business	-
92	Raw Materials for Aesthetics and Health Products	-
93	Production and Operation Management	-
94	Primary Medical Care I	-
95	Marketing for Tourism Industry	-
96	Fundamental Biology	-
97	Introduction to Hospitality Industry	-
98	Local Natural Resources and Environmental	Management
99	Statistics and Experimental Planing in	Animal Science
100	Local Infrastructure Administration	-
101	Fundamentals of Data Science	-
102	Entrepreneurial Marketing	-
103	Science and Technology for Elementary	Teachers
104	Meat Product Technology	-
105	Artificial Intelligence for Innovation Engineering	-
106	Data Structure and Algorithm	-
107	Introduction to Polymer Chemistry	-
108	Digital Economy	-
109	Principles of Food Processing	-
110	Accounting and Financing for Hotel Business	-
111	Refrigeration and Air Conditioning Systems	-
112	Organic Chemistry Laboratory I	-
113	Product and Price Management	-
114	Supply Chain Management	-
115	Strategic Marketing for Hotel Business	-
116	Community Enterprises	-
117	Digital Business Management Project	-
118	World History	-
119	Digital Marketing	-
120	Network Design and Administration	-
121	Probability and Statistics	-
122	Digital Arts	-
123	Milk and Dairy Products	-
124	Health Education and Behavior for Occupational	Health and Safety
125	Practice of Service and Maintenance for Business	-
126	Introduction of Public Administration	-
127	Digital Content for Business	-
128	Engineering Statistics	-
129	Digital Information System Management	-
130	Information Technology Project	-
131	Community Pharmacy	-
132	Anatomy and Physiology	-



133	Transportation and Distribution	-
134	Journalistic Reporting and Editing	-
135	Research Methodology in Product Design	-
136	Project in Computer Network Engineering	-
137	Community Economy and Community Enterprise	Management
138	Contemporary Literature	-
139	Introduction to Special Education	-
140	Fundamental Biochemistry	-
141	Database Management Programming on Web	-
142	Computer Network And Information Security	-
143	Business Ethics	-
144	Embedded Systems and Robot	-
145	Database System in Business	-
146	Human and Computer Interaction	-
147	Maritime	-
148	Practical Training in Workplace	-
149	Nutrition for Aesthetics and Health	-
150	Network System Laboratory I	-
151	Computer Graphic Multimedia	-
152	Community Study and Development	-
153	Advanced Accounting I	-
154	Electronic Device and Circuit	-
155	Animal Nutrition	-
156	Organization and Management	-
157	Community Enterprise Management	-
158	Front Office Operation and Management	-
159	Introduction to Databases	-
160	Sampling Method	-
161	Special Topics in Information Technology	-
162	Research in Food Business and Nutrition	-
163	Special Topics in Computer Network Engineering	-
164	Advertising Creativity and Production	-
165	Infographic Design Applications	-
166	Art of Food Decoration	-
167	Feed Examination and Analysis	-
168	Literature Writing for Children and Adolescent	-
169	Drawing for Food industry	-
170	Psychology in Community Development	-
171	Quality Citizen	-
172	Restaurant Management	-
173	Restaurant Operation and Management	-
174	Tourist Behavior and Service Psychology	-
175	Rural and Urbanization Processes	-
176	Business Operation Analytic	-
177	Composition for Design	-
178	Fundamental Applied physics for Product Design	-
179	Ethics for Administrators	-
180	Solar Cell Design and Installation	-



181	Research for Digital Business Management	-
182	Catering and Banqueting	-
183	Signal and System	-
184	Engineering Economy	-
185	Mechanics of Materials	-
186	Electrical Machine	-
187	Survey Engineering I	-
188	Fishery Product Technology	-
189	Creative Economy	-
190	Embedded System	-
191	Community Information System	-
192	Nutrition	-
193	Leadership in Community Development	-
194	Analysis and Design of Business System	-
195	Microtechnique	-
196	Database System	-
197	Data Analytics	-
198	Residential Interior Design	-
199	Lesson Learned Process for Enhance	Teacher Professional Learning Community
200	First Aids and Basic Sports Injury	-
201	Introduction to Public Administration Research	Methodology
202	Network and Cyber Security	-
203	Project Analysis and Project Management	-
204	Strategic Plannung for Local Area Development	-
205	Warehouse Management and Material Handling	-
206	Marketing Planning	-
207	Internet of Things Technology	-
208	Statistical Database Management	-
209	Natural Medicine	-
210	Pharmacology	-
211	Small Business Management	-
212	Fundamental Biology	-
213	Cooperative Education	-
214	Nutrition in Industrail	-
215	Marketing for Entrepreneur	-
216	ASEAN Community and Border Studies	-
217	Differentiation and Innovation for Marketing	-
218	Design and Manufacturing of Printed Circuit Board	-
219	Marketing for Food Business	-
220	Exhibition Design	-
221	Science Laboratory in school	-
222	Introduction to Statistics for Computer Science	-
223	Thai Medicine I	-
224	Advertising Design	-
225	Conference Exhibition and Event Management	-
226	Elderly Health Care II	-
227	General Chemistry I	-
228	Tourist Characteristics and Behaviors	-



229	Tour Planning	-
230	Operation Management	-
231	Financial Technology	-
232	Entrepreneurial Marketing	-
233	Human Relationship	-
234	Basic Morality for Graduates	-
235	Digital Marketing	-
236	Fiscal and Budgeting Administration	-
237	Food Innovation	-
238	Web Design and Development	-
239	Internet of Things	-
240	Pollution and Pollution Control	-
241	Industrial Process and Hazards	-
242	Cooperative Education in Local Government	-
243	Microbiology in Public Health	-
244	Principles of Accounting	-
245	Occupational Health and Safety Management in	Logistics
246	Computer for 3 Dimensional Product Design	-
247	Innovation and Change Management	-
248	International Financial Management	-
249	Principles of Accounting	-
250	Database Administration Applications	-
251	Science and Technology in Daily life	-
252	Computer Programming	-
253	Basic Architectural Design	-
254	Organic Chemistry II	-
255	Principle of Sociology and Anthropology	-
256	Accounting Information Systems	-
257	Man and Society	-
258	Computer Aids Product Design	-
259	Advanced Accounting II	-
260	Civil Society and Non Governmental	Organizations (NGOs)
261	Taxation I	-
262	Personality Development for Communication Arts	-
263	Marketing Channel and Distribution	Management
264	Marketing Channel and Distribution	Management
265	Fundamental Biochemistry Laboratory	-
266	Elementary Probability and Statistics for Logistics	-
267	Biology and Cultivation of Mushroom	-
268	Application Software for Document in	Digital Organization
269	Internet of Things for Digital Business	-
270	Logistics Management	-
271	Application Software for Logistics Management	-
272	Integrated Product Design Innovation	-
273	Reproductive Health	-
274	Food Service and Catering Management	-
275	Tour Guide Management	-
276	Principle of Industrial Hygiene	-



277	Administration and Development	-
278	Occupational Health and Safety Information	System
279	Public Policy and Planning	-
280	Seminar in Business Data Analytics	-
281	Marketing Strategy	-
282	Family and Community Participation in Early	Childhood Education
283	Production Planning and Controlling in Food	Industry
284	Utilization of Microorganism in Food Industry	-
285	Science for Sustainable Design	-
286	Principles of Marketing	-
287	Community Development Theories and Principles	-
288	Fundamental in Chemistry	-
289	Introductory Virology	-
290	Database System	-
291	Business Data Warehouse Management	-
292	Business Finance	-
293	Database Systems	-
294	Nutrition for Sports and Health	-
295	Plant Physiology	-
296	Fundraising in Digital Economy	-
297	Business Data Warehouse Management	-
298	Greater Mekong Subregion Studies for Logistics	Management
299	Development Administration	-
300	Geography for Tourism	-
301	Community Economy and Community Enterprise	Management
302	Seed Production Technology	-
303	Food Analysis	-
304	Fundamental Analytical Chemistry	for Agro-industry
305	Aesthetics of Life	-
306	Physical Geography	-
307	Statistics for Science	-
308	Hygiene and Safty Education for Persons	with Disabilities
309	Modern Chinese Economy Politics and Society	-
310	Principles of civil Laws and Public Laws	-
311	Sensory Evaluation for Food Quality	-
312	Integration of Academic Reading and	Development of English Teachers Association
313	Electronic Commerce	-
314	Entrepreneurship and New Venture	-
315	Data Warehouse for Business Data Analytics	-
316	Algal Technology and Local Product	-
317	Rehabilitation for Thai Traditional Medicine	-
318	Community Health Development	-
319	System Analysis and Design	-
320	Personnel Development and Technology	Training
321	Innovation and Technology for Health	-
322	Government Statistics	-
323	Language and Society	-
324	Management Information Systems	-



325	Principle of Product Design	-
326	Introduction of Political Science	-
327	Food Quality Control	-
328	Integrated Marketing Communication	-
329	Life Cycle Assessment and Analysis	-
330	Preparation Cooperrative Education in Local	-
331	Work and Learning for Life	-
332	Digital Business Design and Analysis	-
333	Leadership	-
334	Youngster with Good Heart	-
335	Administration for Development Local Tourism	-
336	Cross-border Trade	-
337	Innovation and Change Management for Local	Government
338	Tour Business Management	-
339	Principles of Farm Mechanics	-
340	Human Rights in Criminal Justice	-
341	Organization Development	-
342	Animal Physiology	-
343	Leadership for Local Government	-
344	The Art of Photography and Travel Writing	-
345	Aesthetics of Life	-
346	Financial Technology	-
347	Local Artworks	-
348	consumer behavior data analysis	-
349	Security System and Installation	-
350	Digital Image Processing	-
351	International Business Negotiation	-
352	Learning Management and Classroom	Management
353	Sociology and Anthropology for Thai	Traditional Medicine
354	Financial Accounting for Logistics	Management
355	Work and Learning for Life	-
356	Spices and Herbs Biology	-
357	Crime Study	-
358	Human Anatomy and Physiology for Sport and	Exercise Science
359	Coaching Mentoring and Consulting	-
360	Community Building and Sustainable Development	-
361	International Relations	-
362	Community and Criminal Justice	-
363	Plant Morphology and Anatomy	-
364	Measurement and Electrical Instrument	-
365	Biology for Teacher II	-
366	Performance Management	-
367	Costumes and props Making	-
368	Basic Culinary Operations	-
369	Industrial Management	-
370	Developmental Biology	-
371	Import and Export Management	-
372	Chemistry for Teacher II	-





373	Composition I	-
374	Fire Prevention and Control	-
375	Internship in Thai Language Professional	-
376	Biochemistry Laboratory II	-
377	Electronic Devices and Circuit Laboratory	-
378	Human Resource Administration in Local	Government
379	Information System Management for	Educational
380	Research Methodology for Hospitality Industry	-
381	Science Project and Activity	-
382	Pediatric Nursing I	-
383	Biology Laboratory I	-
384	Seminar in Biology I	-
385	Hotel Business Planning and Development	-
386	Computer Architectures and	Operating Systems
387	Plant Propagation Technology	-
388	Electrical Energy Conservation	and Management
389	Morality for Graduates	-
390	Cryptography and Blockchain Technology	-
391	Science for Civi Engineering	-
392	Business Policy and Strategic Management	-
393	Engineering of Digital and	Logic Circuits Laboratory
394	Adult and Elderly Nursing Practicum II	-
395	Promoting Independent Living and Occupation	Skills for Persons with Special Needs
396	Youngster with Good Heart	-
397	Statistics and Research for Food Industry	-
398	Procurement and Sourcing Management	-
399	Integrated Logistics Support Management	-
400	Law of Criminal Procedure	-
401	Application of Future Innovation and Technology	-
402	Voluntary Mind for Local Development	-
403	Biology for Teacher I	-
404	Artificial Intelligence Technology	-
405	Analytical Chemistry	-
406	Fundamental Biochemistry for Agro-industry	-
407	First Aid and Basic Health Care	-
408	Rehabilitation	-
409	Pathology for Thai Traditional Medicine	-
410	Principles of Biology Laboratory	-
411	Microbiology for Public Health	-
412	Fundamental Biology for the Science of the Land	-
413	Wastewater Treatment Technology	-
414	Spectroscopy of Organic Chemistry	-
415	Mushroom and Mushroom Production	-
416	Seminar in Animal Science	-
417	Analytical Chemistry for Biology	-
418	Organic Chemistry Laboratory II	-
419	Economic Vegetable Production	-
420	Basic Biochemistry	-



421	Biological Laboratory II	-
422	Research Project in Microbiology	-
423	Bioscience	-
424	Biochemistry for Environment	-
425	Organic Livestock Production	-
426	Organic Chemistry I	-
427	Peace Studies for Local Development	-
428	Fundamental Chemistry for Industry	-
429	Chemistry of Materia Medica	-
430	Electricity and Energy	-
431	Principles of Aquaculture	-
432	Biochemistry Laboratory I	-
433	Ruminant Production	-
434	Water Supply and Waste Disposal	-
435	Plant Taxonomy	-
436	Illumination Engineering	-
437	Plant Tissue Culture	-
438	Terrestrial Ecosystems	-
439	Cell Biology	-
440	Basic of Occupational Health and Safety	-
441	Fundamental of Organic Chemistry	-
442	Laboratory Skills and Safety in Chemistry	-
443	Fundamental Chemistry	-
444	Chemistry I	-
445	Fundamental in Chemistry	-
446	Physical Chemistry I	-
447	Inorganic Chemistry II	-
448	Fundamental Organic Chemistry	-
449	Microbial Genetics	-
450	Way of Life on Sufficiency Economy	-
451	Elderly Health Care I	-
452	Fundamental Chemistry for Agro- industry	-
453	Aquatic Ecosystems	-
454	Security System and Installation	-
455	Rice Production Technology	-
456	Industrial Microbiology	-
457	Earth Science	-
458	Food Microbiology	-
459	Principles of Animal Science	-
460	Local Public Health Administration and	Quality of Life Development
461	Principles of Plant Science	-
462	Bacteriology	-
463	Building Sanitary and Environment	-
464	Biochemistry I	-
465	Economic Crops	-
466	Analytical Chemistry for Environment	-
467	Biochemistry for Nurse	-
468	Research in Occupational Health and Safety	-



469	Fundamental Biology for Agro- industry	-
470	Plant Physiology	-
471	Green Business Management	-
472	Fruit and Vegetable Technology	-
473	First Aid and Primary Medical Care	-
474	Physics in Public Health	-
475	Artificial Intelligenceand Intelligent Systems	-
476	Community Health Nursing	-
477	Pharmaceutical Chemistry	-
478	Animal Hygiene and Biosecurity	-
479	Health Promotion	-
480	Fundamental Biochemistry for Agro-industry	-
481	Genetics	-
482	Tourism and Hospitality in the Mekong sub-region	Context
483	Industrial Chemistry	-
484	Organic Chemistry Laboratory for Environment	-
485	Ornithology	-
486	Business Management for Environment	-
487	General Chemistry	-
488	Soil Pollution	-
489	Local Fermented Food Product	-
490	Air Pollution Control	-
491	Research Language in Thai	-
492	Maternal and Newborn Nursing	-
493	Safety Management in Industry	-
494	Analytical Chemistry for Microbiology	-
495	Basic Pharmacology	-
496	Microbiology for Food Safety in Industry	-
497	Basic Biochemistry	-
498	Microbiology and Parasitology of Human	-
499	Thai Pharmacy II	-
500	Chemistry of Natural Product	-
501	Research Project in Public Health	-
502	Microbial Physiology	-
503	General Microbiology Laboratory	-
504	Fermentation Technology	-
505	Environment and Population Study	-
506	Inorganic Chemistry Laboratory II	-
507	Molecular Biology	-
508	Mycology	-
509	Special Problems in Animal Science	-
510	Special Problems in Agriculture	-
511	Seminar in Agriculture	-
512	Soil Water Fertilizer Usage Technology	-
513	Principles of Animal Science	-
514	Preparation for Professional Experience in	Animal Science I
515	Construction Material	-
516	Floriculture and Ornamental Plant Production	-



517	Animal Breeding	-
518	Mental Health and Psychiatric Nursing I	-
519	Construction Inspection and Supervision	-
520	Fruit and Vegetable Technology	-
521	Food Engineering I	-
522	General Microbiology	-
523	Microbiology	-
524	Seminar in Chemistry	-
525	Farm Business Management for Agriculture	-
526	Safety and Occupational Health in Workplace	-
527	Clean Technology	-
528	Electrical Technology Research Project	-
529	Biochemistry I	-
530	Research Methodology and Chemistry Research	Project
531	Water Pollution	-
532	Biochemistry II	-
533	General Microbiology	-
534	Swine Production	-
535	Food Analysis	-
536	Structural Steel Design	-
537	Research in Occupational Health and Safety	-
538	Electrical Drawing, I	-
539	Biochemistry Laboratory I	-
540	Electrical Installations for Inside and Outside	-
541	Biochemistry in Animal Science	-
542	Food Microbiology	-
543	Chemistry II	-
544	Basic Microbiology for Agro-industry	-
545	Biology for Health Science	-
546	Principle of Ecology	-
547	Pre-cooperative Education in Agriculture	-
548	Seminar in Microbiology	-
549	Water and Wastewater Analytical Chemistry	-
550	Principle of Startup	-
551	Pharmacology and Toxicology	-
552	High Voltage and Protection Technology	-
553	Physical Examination and Diagnosis for	Thai Traditional Medicine
554	Special Problems in Agriculture	-
555	Biology Laboratory II	-
556	Human Pathology	-
557	Inorganic Chemistry I	-
558	Plant Tissue Culture in Agriculture	-
559	Occupational Health and Safety Seminar	-
560	Water and Wastewater Analytical Chemistry	Laboratory
561	Local Tourism Development Administration	-
562	Professional Nursing Practicum	-
563	Poultry Production	-
564	Biology I	-



565	Occupational Health Toxicology	-
566	Basic Medical Care	-
567	Biology II	-
568	Safety Technology	-
569	Principles of biology	-
570	Industrial Ventilation	-
571	Information Security	-
572	Special Problem for Occupational Health	and Safety
573	Public Health Service in Organization	-
574	Farm Business Management	-
575	Voluntary Mind for Local Development	-
576	Science and Technology for Sustainable Environment	-
577	Natural Medicine	-
578	Community Self-Management	-
579	Principles of Genetics	-
580	Research Methodology in Public Administration	-
581	Instruments for Chemical Analysis I	-

Example of Courses/Subjects Related to Sustainability (Ubon Ratchathani Rajabhat University)

**Description:**

Above is a list of the courses that have been approved through UBRU's Curriculum Committee. The courses aim to integrate sustainability into content offered by the University as well as practice and workshop related to the courses. As a results, the total number of courses with sustainability embedded for courses running in 2021 is 581.

**Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):**

<https://admission.ubru.ac.th>