

UNIVERSITY OF NOTRE DAME

*Corrected
copy*

Summer Session

June 17 -- August 2

SUMMARY OF COURSES

**Notre Dame
1955**

Gen.Educ. 111 Great Books Sem.
 Dr. Bird
 1:30-3:30 MW
 1:30-2:30 F Room 331 O'S
 3 credit hours

Gen.Educ. 121 Great Books Sem.
 Prof. Nutting
 1:30-3:30 MW
 1:30-2:30 F 230 Main Bldg.
 3 credit hours

Registration	June 17
Classes begin 8:00 A. M.	June 19
Examinations	Aug. 1-2

Graduate Students apply to the Dean of the Graduate School, Law Students to the Dean of the Law School, and Undergraduate Students to the Director of Admissions.

The Bulletin of the Summer Session will be mailed upon request at a later date.

COURSES IN THE SUMMER SESSION 1955

Courses numbered below 100 are undergraduate courses. Courses between 100 and 200 are advanced undergraduate courses which may be taken for graduate credit with the permission of the head of the department. Courses above 200 are graduate courses. Time when course is taught is given in parenthesis, when this information is available.

A three-credit course is taught five 60-minute periods a week, Monday through Friday.

The University reserves the right to cancel courses for which there is insufficient registration. Students planning to take courses in Engineering are advised to consult the Dean of the College of Engineering before June 1st.

AERONAUTICAL ENGINEERING		Credit
236	Aerodynamics Laboratory	Variable
317	Research in Aeronautical Engineering.....	Variable

ACCOUNTING		
12	Principles of Accounting, II—(9:10).....	3
23	Principles of Accounting, III—(8:00).....	3
71	Basic Accounting—(8:00).....	3
133	Intermediate Accounting—(10:20-12:20).....	6
141	Advanced Accounting—(10:20-12:20).....	6
201	Seminar in Accounting Theory—(8:00).....	3

ARCHITECTURE		
27	Expression for Architectonic Forms.....	2
110	Architectural Design.....	3
123	Building Construction	3

ART		
15	Drawing IIA	2
23	Painting IA	2
25	Design IIA	2
32	Drawing from Figure in Motion, B.....	2
34	Painting IIB, Advanced Expression in Form and Color	2
37	Survey of Art, I	2
42	Drawing from the Figure, B.....	2
43	Painting IIIA, Creative Pictorial Organization	4
48	Sculpture, Elementary Phase	2
53	Silk Screen Printing, A.....	2
61	Crafts Shop I, Metal Work.....	2 or 3
63	Crafts Shop III, Wood Carving.....	2 or 3

87	Design for Advertising and Industry, I.....	2-4
88	Design for Advertising and Industry, II.....	2-4
117	Sculpture	2-4
202	Painting II	2-8
203	Christian Arts	2
208	Figure Drawing, IV	2-4
211	Woodcarving	2-4
214	Serigraphy	2
216	Metal Craft	2
218	Sculptural Design	2-4
302	Painting Production and Research.....	2-4
318	Sculptural Projects	2-4

BIOLOGY (see also ZOOLOGY)

41	Fundamentals of Bacteriology—(11:30).....	3
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BOTANY

12	General Botany, II—(9:10).....	3
266	General Physiology, II—(8:00).....	3
276	Taxonomy of Flowering Plants.....	3
286	Biological Photography	2
294	General Ecology	3
389	Research in Botany, I.....	1-6

BUSINESS ADMINISTRATION

31	Business Law, I—(11:30).....	3
32	Business Law, II—(12:40).....	3
34	Statistics—(9:10).....	3
158	Human Relations in Administration—(10:20)	3

CHEMICAL ENGINEERING

223	The American Chemical Industry—(10:20)....	3
231	An Introduction to Chemical Engineering—(9:10)	3
277	Industrial Inorganic Chemistry—(11:30).....	3
308	Applied Chemical Kinetics—(9:10).....	3
317	Research in Chemical Engineering.....	Variable

CHEMISTRY

11	General Chemistry—(9:10)	5
12	Qualitative Analysis—(9:10)	5
24	Elementary Organic Chemistry II—(10:20).....	3
24L	Experimental Organic Chemistry, II—(1:00-5:00)	1
29	Quantitative Analysis—(1:00).....	4
32	Theoretical and Physical Chemistry, I—(9:10)	3
275	Inorganic Preparations—(1:30)	3
281	Modern Organic Chemistry, I—(10:20).....	3
285	Identification of Organic Compounds—(1:30)	3
291	Intermediate Chemical Principles—(9:10).....	3
361	Research Dissertation	2-6

CIVIL ENGINEERING

24	Field Practice in Surveying and Mapping	4
38	Structures, II	3

ECONOMICS

21	The Principles of Economics, I—(8:00).....	3
22	The Principles of Economics, II—(9:10).....	3
154	Elements of Statistical Analysis—(8:00).....	3
163	Management-Labor Problems—(9:10).....	3
164	Economics of Finance and Banking—(10:20)....	3

167	Economic History of the U. S.—(9:10).....	3
228	Fundamentals of Economic Cooperation—(11:30)	3
249	Economic Thought of Encyclicals—(10:20).....	3
301	Directed Readings in Economics.....	
397	Directed Research	

EDUCATION

53	Introductory Educational Psychology—(8:00)	3
54	The Technique of Teaching—(10:20).....	3
61	The Principles of Secondary Education—(9:10)	3
213	Child Development—(10:20)	3
224	The School and the Social Order—(9:10).....	3
225	Elementary School Administration—(9:10)....	3
241	Educational Statistics—(10:20).....	3
244	Psychology of Adolescence—(9:10).....	3
253	Literature in Elementary Education—(11:30)	3
254	Current Problems in Religious Education—(10:20)	3
266	Administration of Guidance Programs—(11:30)	3
274	Religion in the High School, I—(1:30-2:45)....	3
299	Directed Readings	Variable
304	Elementary School Supervision—(10:20).....	3
305	Philosophy of Education—(8:00).....	3
309	Curriculum Development—(8:00).....	3
314	School Finance—(9:10)	3
390	Dissertation Research, II	Variable
391	Workshop in School Buildings.....	

ELECTRICAL ENGINEERING

21	Electric and Magnetic Circuits.....	4
32	Alternating Current Circuits.....	4
37	Elements of Electrical Engineering	
38	I and II	4
313	General Network Theory III.....	3
22	Electricity for Science Teachers.....	3
23	Radio and Television for Science Teachers	3

ENGINEERING DRAWING

11	Elements of Projection Drawing.....	3
12	Intermediate Drawing	2
13	Architectural Drawing, I	2
15	Introductory Drawing	3
16	Methods of Teaching Drawing	2

ENGINEERING MECHANICS

26	Statics	3
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ENGLISH

27	American Literature of the Nineteenth Century I—(10:20)	3
29	The English Novel, II—(9:10)	3
44	English Literature of the Late Eighteenth Century—(10:20)	3
103	Expository Writing—(10:20)	3
151	The Literature of American Humor—(11:30)....	3
212	Proseminar I—(4:00)	no credit
251	Shakespeare, I—(1:30)	3
260	Milton—(8:00)	3
264	Classical Literature—(9:10)	3
288	Victorian Prose—(10:20)	3

292	Studies in Major American Writers, I—(9:10)	3
294	The Twentieth Century Drama—(8:00)	3
298	The Modern Novel—(11:30)	3

ENGLISH WORKSHOPS (see JOURNALISM)

121	Writing Short Fiction—(1:30)	1½
122	Writing Poetry—(3:30)	1½
301	The Writing of Fiction—(1:30)	1½
302	The Writing of Poetry—(3:30)	1½

FINANCE

24	Business Finance—(10:20)	3
31	Money and Banking—(9:10)	3
143	Government Finance and Taxation—(8:00)	3
221	Money, Income (9:10)	3

FRENCH

113	Conversational French—(8:00)	3
125	Survey of French Literature, I—(10:20)	3
211	French Civilization and Culture—(11:30)	3
251	Catholic Writers in Modern France—(10:20)	3
273	Explication de textes—(8:00)	3
335	French Classical Drama—(9:10)	3

GEOLOGY

11	General Geology, I—(10:20)	3
11L	General Geology I, Laboratory—(TBA)	1
101	Earth Science—(11:30)	3

GERMAN

113	Conversational German—(8:00)	3
125	Survey of German Literature, I—(9:10)	3
141	Advanced German Composition—(8:00)	3
250	German Catholic Writers—(10:20)	3
263	Goethe—(11:30)	3

HISTORY

11	The History of Western Europe, I—(11:30)	3
21	The History of the United States to 1865—(9:10)	3
22	The History of the United States since 1865—(10:20)	3
152	Modern Ideologies of the Nineteenth and Twentieth Centuries—(9:10)	3
172	Civil War and Reconstruction (1850-1877)—(9:10)	3
198	The Origins and History of World War II (1920-1947)—(11:30)	3
220	The History of Modern Europe (1648-1789)—(8:00)	3
221	The History of France (1500-1789)—(11:30)	3
222	The French Revolution and Napoleon (1789-1815)—(10:20)	3
223	Liberalism and Conservatism in Europe (1815-1914)—(10:20)	3
225	The Colonial Period in American History—(10:20)	3
245	History of the Catholic Church in the United States to 1860—(8:00)	3
267	Social and Economic History of the Early Middle Ages—(9:10)	3
292	History of Russia from the Early Eighteenth Century to the Present—(9:10)	3

347	Seminar in American History and Geography—(10:20)	3
356	Seminar in World History—(11:30)	3

JOURNALISM WORKSHOPS (see ENGLISH)

173	Teaching Students How to Write for the School Paper and Yearbook—(2:30)	1½
181	Writing Radio and TV Scripts—(3:30)	1½
182	School Public Relations—(7:30)	1½
171	Layout for School Papers and Yearbooks—(1:30)	1½
172	Writing Articles	1½

Greek 115 Elem. Greek TBA 0

LATIN

33	Pre-seminary Latin, I—(10:20)	6
34	Pre-seminary Latin, II—(11:30)	6
65	Ecclesiastical Latin, I	3
66	Ecclesiastical Latin, II	3
201	Introduction to Classical Graduate Study—(10:20)	3
207	Advanced Latin Prose Composition—(9:10)	3
226	Patristic Latin, I—(8:00)	3
235	Lucretius—(10:20)	3
250	History of Rome—(11:30)	3

299 Directed Readings in Lat. Classics 3
LAW (10:20)

125	Property I	
132	Equity	
165	Secured Transactions	
174	Creditors' Rights	
180	Legal Problems of Radio and Television	

LITURGY (see RELIGION)

155M	Integration of Liturgy and Chant—(8:20)	no credit
153M	Basic Course in Liturgy—(9:10)	3
185	Liturgical Arts—(9:10)	3
200	Liturgy and Foreign Missions—(10:20)	3
203	History of Liturgy—(11:30)	3
297M	Workshop in Gregorian Integration—(11:30)	3
152M	Basic Course in Gregorian Chant—(2:50)	3
293M	Theory of Gregorian Chant—(2:50)	3
202	Kerygmatic Theology—(5:00)	3
165M	Chant Accompaniment	Variable

MARKETING

21	Essentials of Marketing—(10:20)	3
156	Principles of Public Relations—(9:10)	3
159	Purchasing Principles—(8:00)	3

MATHEMATICS

13	Trigonometry	3
15	Algebra and Trigonometry	5
17	Introduction to Calculus	5
18	Introduction to Calculus	5
21	Intermediate Calculus, I	4
22	Intermediate Calculus, II	4
37	Differential Equations	3
123	Elementary Number Theory	3
140	Analysis, I	3

160	Fundamentals of Statistical Analysis.....	3
199	Dissertation Research	Variable
228-229	Higher Algebra, I and II.....	3
250	Analysis, II	3
281-282	Geometry, I and II	3
297	Graduate Reading and/or Research.....	Variable
335	Topics in Number Theory and Algebra.....	3
381	Advanced Topics in Geometry.....	3
385	Advanced Topics in Analysis.....	3

MECHANICAL ENGINEERING

13	Machine Tools and Shop Processes.....	1
22	Shop, II	2
34	Thermodynamics, II	3
41	Machine Design	3
42	Internal Combustion Engines	3
45	Factory Management	3
82	Motion and Time Study	3
312	Special Problems	Variable

METALLURGY

317	Research in Metallurgy	Variable
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MUSIC

13	Dictation—(9:10)	2
25	Woodwind Technics—10:20)	2
27	History—(11:30)	2
31	Counterpoint—(9:10)	2
39	Form and Analysis—(8:00)	2
55	Gregorian Chant—(8:00)	2
69	Methods and Material for Band—(11:30).....	2
165	Chant Accompaniment—(10:20)	2
20	Piano	2
22	Organ	2
24	String Instruments	2
26	Wind Instruments	2
28	Voice	2
227	Graduate Seminar—(1:30)	no credit
233	Composition—(10:20)	2
237	Musiology—(2:40)	2
240	Survey of School Music Materials—(9:10).....	2
241	Choral Conducting—(11:30)	2
249	Advanced Analysis—(2:40)	2
255	Chant Interpretation—(9:10)	2
210	Piano	2
212	Organ	2
214	String Instruments	2
216	Wind Instruments	2
218	Voice	2
75	Orchestra	no credit
85	Choir	no credit
87	Band	no credit

PHILOSOPHY

40	Man: His Nature and Ends—(9:10).....	3
60	The Metaphysical Knowledge of God and of the Universe—(8:00).....	3
70	The Doctrine of Metaphysical Analogy—(11:30)	3
110	The Philosophy of Liberal Arts—(9:10).....	3
130	The Philosophy of Language and Communication—(10:20)	3
220	The Study of the Soul—(10:20).....	3

230	The Problem of Pluralism in Political Life—(9:10)	3
280	The New Esthetic—(11:30)	3
240	Maritain's Philosophy of Education—(8:00).....	3
320	Seminar on Science and Philosophy II—(1:20-3:00)	3

PHYSICAL EDUCATION

43	Administration of Physical Education—(9:10)..	3
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PHYSICS

13-113	Engineering Physics I, Mechanics, Heat and Sound	3
23-123	Engineering Physics II, Electricity and Optics	3
24-124	Engineering Physics II, Electricity and Optics	3
25	General Physics, I, Mechanics, Heat and Sound	4
26	General Physics II, Electricity and Optics	4
31-131	Modern Physics	3

POLITICAL SCIENCE

32	Principles of Political Science—(9:10).....	3
218	Political Parties and Public Opinion—(8:00).....	3
215	Comparative Governmental Systems—(11:30)....	3
224	Selected Problems in Political Theory, IV: Montesquieu to the Present—(9:10).....	3
234	Bolshevism Theory and Practice—(10:20).....	3
311	Research in Comparative Government.....	Variable
321	Research in Political Theory.....	Variable
361	Research in Soviet Studies.....	Variable
371	Research in Political Parties.....	Variable

RELIGION

15	The Life of Christ—(11:30).....	2
16	Christian Morals—(8:00)	2
23	Evidence For Our Faith—(9:10).....	2
24	Catholic Dogma I: God and the World of Man—(10:20)	2
31	Catholic Dogma II: Redemptive Incarnation—(11:30)	2
32	Christian Sacramental Life in the Mystical Body of Christ—(10:20).....	2

SACRED THEOLOGY FOR TEACHERS

215	Dogmatic Theology—(8:00)	2
216	Moral Theology—(9:10)	2
217	Sacred Scripture—(11:30)	2
224	Dogmatic Theology—(8:00)	3
225	Moral Theology—(9:10)	3
236	The Eucharist: Sacrament and Sacrifice—(10:20)	3
239	Ascetical and Mystical Theology—(11:30).....	3
241	The Theology of Vocation—(8:00).....	3
243	The Psychology of Vocation—(9:10).....	3
262	Current Problems in Religious Education—(10:20)	3
265	Old Testament—(8:00)	3
267	The Reformation and Post-Reformation—(11:30)	3
271	Christian Social Principles—(11:30).....	3

296	Metaphysics—(10:20)	no credit
298	Readings in Religion	Variable

SPIRITUAL THEOLOGY

218	Dogmatic Theology—(9:10)	2
216	Moral Theology—(8:00)	2
220	Sacred Scripture—(10:20)	2
227	Dogmatic Theology—(9:10)	3
228	Moral Theology—(8:00)	3

SOCIAL SCIENCE

Econ. 167	Economic History of the United States—(11:30)	3
Soc. 166	Social Institutions—(10:20)	3
Pol. Sc. 215	Comparative Governmental Systems—(11:30)	3
Rel. 271	Catholic Social Principles—(11:30)	3
Econ. 249	Economic Thought of the Encyclicals—(10:20)	3

SOCIOLOGY

61	The Writing of a Thesis	no credit
103	Social Problems—(10:20)	3
209	Field of Social Work—(9:10)	3
224	Child Development—(11:30)	3
303	Seminar: the Family—(10:20)	3
311	A Research Seminar: Juvenile Delinquency—(8:00)	3
327	Research in Industrial Sociology—(1:10)	3
355	Dissertation Research	Variable

SPANISH

113	Conversational Spanish—(9:10)	3
125	Survey of Spanish Literature, I—(8:00)	3
211	Spanish Civilization and Culture—(8:00)	3
281	History of the Spanish Language—(11:30)	3
331	The Spanish Mystics—(10:20)	3

SPEECH

43M	Speech for Seminarians, III	
44M	Speech for Seminarians, IV	
120-220	Direction of Co-Curricular Activities—(8:00)	3
125-225	Choric Interpretation—(10:20)	3
140-240	Workshop in Telecommunication Arts—(1:30-4:00)	3
161-261	Workshop in Stage Directing—(1:30-4:00)	3
164-264	Playwriting—(11:30)	3
165-265	Workshop in Play Production—(1:30-4:00)	3
181-281	Forms of Public Address—(9:10)	3
299	Independent Study	Variable

SPIRITUAL THEOLOGY (see RELIGION)

ZOOLOGY

12	General Zoology II—10:20)	4
26	Vertebrate Embryology—(9:10)	4
266	General Physiology, II—(8:00)	3
278	Representative Vertebrates—(9:10)	3
286	Biological Photography	2
294	General Ecology	3
298	Evolution—(10:20)	3
369	Research in Zoology, I	1-6

WORKSHOPS

June 20 — July 8

English 121	Writing Short Fiction	1:30
Journalism 173	Teaching Students How to Write for the School Paper and Yearbook	2:30
Journalism 181	Writing Radio and TV Scripts	3:30
Journalism 182	School Public Relations	7:30
English 301	The Writing of Fiction	1:30

July 11 — July 29

Journalism 171	Layout for School Papers and Yearbooks	1:30
Journalism 172	Writing Articles	2:30
English 122	Writing Poetry	3:30
English 302	The Writing of Poetry	3:30

For Summer Session

History 347	Seminar in American History and Geography (for High School Teachers)	10:20
History 356	Seminar in World History (for High School Teachers)	11:30

SPECIAL PROGRAMS IN THE SUMMER SESSION FOR THE MASTER'S DEGREE

Art Teacher Program
Biology Teacher Training Program
Chemistry Teacher Training Program
Mathematics Teacher Training Program
Master of Business Administration
Religion Programs:
Liturgy
Spirituality
Theology
Social Science Teacher Program