

Series 18

March 15, 1921

Number 10

BULLETIN OF  
**William Jewell College**  
*[Founded 1849]*  
LIBERTY, MISSOURI

Announcements for the Year  
1921-1922

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CATALOG EDITION

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PUBLISHED MONTHLY BY THE COLLEGE

Entered April 2, 1909, at Liberty, Missouri, as Second-class Matter under Act of Congress of July 16, 1894. Acceptance for mailing at special rate of postage provided for in section 1103, act of October 3, 1917, authorized on July 2, 1918.

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# CALENDAR FOR 1921-'22

SEPTEMBER							OCTOBER							NOVEMBER						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
DECEMBER							JANUARY							FEBRUARY						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28				
MARCH							APRIL							MAY						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			

## BOARD OF TRUSTEES OF WILLIAM JEWELL COLLEGE

J. P. GREENE, Liberty.	S. J. BROWN, Kansas City.
CHARLES HYSLOP, Maryville.	F. P. NEAL, Kansas City, Vice-
J. P. GRAHAM, St. Louis.	Pres.
W. D. JOHNSON, Kansas City.	J. C. JAMES, Kansas City.
W. H. GRIFFITH, St. Joseph.	A. T. RAY, Gallatin.
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W. M. FITCH, St. Louis.	C. M. BUCKNER, Marshall.
E. S. PILLSBURY, St. Louis.	MINETRY JONES, St. Joseph.
FRANK H. TRIMBLE, Liberty.	E. E. AMICK, Kansas City.

## ADMINISTRATION

J. P. GREENE, President Emeritus.  
D. J. EVANS, President.  
JOE P. JACOBS, Treasurer and Financial Secretary.  
R. R. FLEET, Dean of Arts and Sciences.  
WARD EDWARDS, Librarian.

## LOCATION

William Jewell College is located at Liberty, Missouri, fifteen miles from Kansas City. Liberty is on the main lines of the C., B. & Q., the C. M. & St. P., the C., R. I. & P. railways and the Kansas City, Clay County & St. Joseph Electric Railway.

## TO THE NEW STUDENT

Students coming from other colleges must bring honorable dismissals. Those wishing to enter later than two weeks after the beginning of a term should correspond with the President before coming to Liberty.

*No one is permitted to enter a course of study later than two weeks after the class work has begun, unless he can show that he has already done the missing work in a satisfactory manner in an accredited school.*

Young men can find excellent rooms in the dormitories and good board at the college dining hall. A list of other approved boarding and rooming places will be furnished at the college office.



## CALENDAR FOR 1921-1922

FALL TERM begins Thursday, September 1, 1921, 7:50 a. m.  
Classification, Thursday, Friday, Saturday, September 1, 2, 3.  
Class work begins Monday, September 5, 7:50 a. m.  
Examinations, Monday, Tuesday, Wednesday, November 21, 22, 23.  
End of fall term, Wednesday, November 23, 1921, 4 p. m.

WINTER TERM begins Friday, November 25, 7:50 a. m.  
Classification, Friday and Saturday, November 25, 26.  
Class work resumed Monday, November 28, 7:50 a. m.  
Christmas recess, from Friday, December 16, 4 p. m. to Monday, January 2, 1922,  
7:50 a. m.  
Examinations, Wednesday, Thursday, Friday, March 1, 2, 3.  
End of winter term, Friday, March 3, 1922.

SPRING TERM begins Saturday, March 4, 7:50 a. m.  
Classification, Saturday and Monday, March 4, 6.  
Class work resumed, Tuesday, March 7, 7:50 a. m.  
Examinations, Monday, Tuesday, Wednesday, May 22, 23, 24.  
Commencement, Wednesday and Thursday, May 24, 25, 1922.  
Meeting of the Missouri Baptist Historical Society May 25.

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STANDING COMMITTEES OF THE FACULTY

Athletics: Professors Davis and Bowles.  
Catalog Bulletins: Professors Clark, Fruit, Parker and Fleet.  
Chapel Attendance: Professors Vick and Weyand.  
Chapel Exercises: Professors Evans and Lewis.  
Curriculum Committee: Professors Baskett, Parker and Fleet.  
Entrance Committee: Professor Baskett.  
Faculty Advisors of Student Council: Professors Fruit and Vick.  
Fraternities: Professors Coon, Davis and MacKinney.  
Religious Activities: Professor Lewis.  
Student Publications: Professors Coon and Harvey.

## FACULTY

1921-1922

DAVID JONES EVANS, A.M., Th.D., (S. B. T. S.), President and Professor of Biblical Literature.

JOHN PRIEST GREENE, A.M., D.D., LL.D., President Emeritus and Professor of Practical Ethics.

JAMES GREGORY CLARK, LL.D., Emeritus Professor of Mathematics.

RICHARD PRICE RIDER, A.M., Emeritus Professor of Latin.

HARRY GEORGE PARKER, Ph.D., (Harvard),

Head of the Department of Science and Professor of Chemistry.

JOHN PHELPS FRUIT, Ph.D., (Leipzig),

Head of the Department of English and Professor of English Literature.

ROBERT RYLAND FLEET, Ph.D., (Heidelberg),

Head of the Department of Mathematics and Dean of Arts and Sciences.

WILLIAM DENNY BASKETT, Ph.D., (Chicago),

Head of the Department of Modern Languages and Professor of French and German.

WALTER OLIVER LEWIS, Ph.D., (Erlangen),

Head of the Department of Biblical Literature and Religious Education and Professor of Church History.

RAYMOND HUNTINGTON COON, Ph.D., (Chicago),

Head of the Department of Classical Languages and Professor of Latin and Greek.

JOHN EUSTACE DAVIS, A.B., (William Jewell), Professor of Physics.

LORENZO DOW WEYAND, Ph.D., (Chicago), J. E. Franklin Professor of Social Science.

WARD EDWARDS, A.M., (William Jewell), Librarian and Professor of Modern English.

LOREN CARY MACKINNEY, A.M., (Wisconsin), Professor of History and Political Science.

HARRY ELIAS VICK, A.M., (Cornell), Professor of Biology.

-----, Professor of Education.

ROBERT EARL BOWLES, A.B., (William Jewell), Physical Director.

PAUL CASPAR HARVEY, A.M., (William Jewell), Professor of English Composition.

HARRY E. COOPER, Mus. B., A. A. G. O., Professor of Music.

MANFORD VAUGHN KERN, A. B., (William Jewell), Assistant Professor of Latin.

JULIO H. VALDES, Instructor in Spanish.

MILLARD SPENCER EVERETT, A.B., (William Jewell), Instructor in Latin.

CHAS. E. Brown, Instructor in Graphics.

## WILLIAM JEWELL COLLEGE

It was soon after the organization of the Missouri Baptist General Association in the year 1835 that the initial steps were taken for the establishment of an institution of higher learning for young men, and in particular for candidates for the Christian ministry. No definite action was taken until 1843, when Dr. William Jewell of Columbia, Missouri, made to the General Association the conditional offer of ten thousand dollars in lands as a nucleus for the building and endowment of a college. The offer was not accepted until 1848. A charter was granted by the legislature and approved by the Governor, February 27, 1849.

In accordance with the terms of this charter the subscribers to the building and endowment funds met in Boonville for the purpose of selecting a location and fixing upon a name for the institution. After an animated contest the town of Liberty—the county seat of Clay County—was selected, and it was unanimously decided that the name of the institution should be William Jewell College.

The college was opened to students (in the old Liberty Academy) on January 1, 1850 with Rev. E. S. Dulin as Principal and Professor of Ancient Languages, and Rev. T. F. Lockett as Professor of Mathematics. Dr. Dulin served as Principal until the close of the session of 1851-52. Then on account of financial embarrassment the school survived the year of 1852-53 as a private enterprise.

In the meantime the foundation had been laid for the building now known as Jewell Hall, and by the summer of 1853 the structure had advanced towards completion so far as to admit of occupancy and use. It was not finally completed until 1858. This building was begun under the immediate superintendence of Dr. Jewell, who died in August, 1852, from the effects of exposure to the intense heat of that summer.

In 1853, the trustees resuming full control, called to the presidency Rev. R. S. Thomas, D.D., from a professorship in the State University at Columbia. This administration continued until the summer of 1855, when new financial troubles caused the suspension of the college for the next two years.

The college reopened in the fall of 1857 under the presidency of Rev. William Thompson, LL.D. Dr. Thompson was a graduate of the University of Edinburgh, and was a scholar of distinction and one of the most brilliant orators of his day. His administration lasted until June, 1861, when it was deemed prudent to suspend operations until, by the return of peace, the conditions of the country should be more favorable for the prosecution of academic pursuits. There was, however, a school carried on in the college building during the years of the war whenever it was practicable.

Not until 1867 was it thought safe to reopen the institution. In June of this year, Rev. Thomas Rambaut of Louisville, Kentucky, was called to the presidency. He was a graduate of Trinity College, Dublin, and was a man of wide experience in the management of educational enterprises. The first year

of his incumbency was devoted to the reorganization and the increasing of endowment.

The reopening was on September 28, 1868, with Dr. Rambaut, President; R. B. Semple, Professor of Latin and French; A. F. Fleet, Professor of Greek and German; John F. Lanneau, Professor of Mathematics; James R. Eaton, Professor of Natural Sciences. Dr. Rambaut's administration ended in the spring of 1874 on account of ill health.

The office of President remained vacant until the summer of 1892. In the interregnum the affairs of the College were administered by the faculty, acting through a chairman. Professor William R. Rothwell was Chairman from 1873 to June 1883 and Professor James G. Clark from that date until June 1892.

The financial affairs of this period were in the hands of Lewis B. Ely of Carrollton who had been a most ardent friend of the College; but previous to his election as financial agent in 1877, the Rev. W. Pope Yeaman, D. D. was appointed Chancellor of the College, and for two years succeeded in enlarging the endowment.

In June 1892, the productive endowment had been largely increased, several buildings erected, one of which was named in honor of the financial agent, Ely Hall, and several members added to the faculty. Mr. Ely was also president of the trustees until his death in June 1897.

In June 1892 Dr. John Priest Greene, pastor of the Third Baptist Church of St. Louis, was elected President of the College. Under his administration the number of students has been greatly increased, a library with a capacity of 100,000 volumes has been erected, also a modern dormitory and a most excellent science building. Many new departments of instruction have been added. The crowning glory of Doctor Greene's presidency of twenty-seven years is that he has held the college to the prime purpose of its establishment, namely, the thorough literary and scientific training of young men for Christian service.

On January 1, 1920, Doctor Greene resigned his office as president and was succeeded by Doctor David Jones Evans, who for many years, had been Dean of Biblical Literature and Religious Education.

## BOARD AND ROOM

The cost of board and rooms in the various dormitories of the College will be found on page 9 of this bulletin. Students rooming in Ely Hall will be required to care for their rooms and to furnish their own bedclothes and towels; otherwise the rooms will be neatly and comfortably furnished. They have steam heat, electric light, hot and cold water.

Rooms in New Ely Hall are swept and cleaned by janitors, but students are required to make their own beds and keep their rooms in order. They must furnish their bedclothes and towels.

Board and room are per term and payable in advance. Each student boarding and rooming in the dormitories may be required to sign a "Student's Agreement" relative to the preservation of order and property.

Students desiring to change rooms at the end of a term may do so by giving notice ten days before the beginning of the next term. The College reserves the right to vacate any room at the end of the term by giving a like notice.

## ALLOTMENT OF ROOMS

Students occupying rooms in any of the dormitories may retain them for the coming year by making application prior to May 15th. A deposit of \$5 must be made at the time of making the application, and the remainder of board and room rent for the first term must be paid upon the first classification day of the next session, otherwise rooms will not be held and the deposit will be forfeited.

All rooms vacant on May 15 will be assigned by lot to the applicants at that time.

Subsequent to the annual allotment vacant rooms will be given to applicants in the order of their application, upon the above mentioned terms as to deposit and payment of balance.

## ROOMS NOT IN DORMITORIES

Students unable to room in the College dormitories will be allowed to room at places approved by the President. Each student is required to file his place of residence at the College office, and also to give notice of any change he proposes to make in his rooming or boarding place. A list of approved boarding and rooming places will be supplied the student from which he must make his selection. Board and room may be had in the town at from \$6.00 to \$7.00 per week. Some students have greatly reduced their costs of living by renting rooms and "baching". This mode of living is undesirable and never advised except as the only means of getting an education.

# REGULAR FEES

Tuition, per term, payable in advance.....	\$30.00
Tuition, per term, for ministerial students and sons and daughters of ministers, payable in advance.....	\$20.00
Athletic fee is included in tuition.	
Caution fee, payable in advance.....	\$5.00

The caution fee will be refunded to the student on his withdrawal from college, less whatever charges may be against him for damage to college property. This fee will be forfeited unless the Dean is notified previous to withdrawal from college. Transcripts of grades will not be furnished to any student whose financial obligations to the College are in arrears.

## FEES PER TERM IN SPECIAL SUBJECTS

Payable in advance

Laboratory fee in chemistry.....	\$ 5.00
Laboratory fee in physics .....	2.50
Fee in graphics .....	2.50
Laboratory fee in biology 21, 22, 23, 24, 26.....	2.50
Laboratory fee in biology 25, 27, 28, 29.....	5.00

## BOARD AND ROOM

Room in Ely Hall and board in New Ely Hall dining room, costs \$80 per term. Room and board in New Ely Hall, double rooms from \$75 to \$90 per term; single room from \$85 to \$105.

## BOARD

Students unable to room in the dormitories may get meals in New Ely Hall dining room at \$60 per term, payable in advance. Single meals will be charged as follows: breakfast and lunch 35 cents, dinner 50 cents; arrangements must be made with the matron in advance.

## CO-EDUCATION

Women are now admitted to William Jewell College upon the same terms as men. Wives of ministerial students, and women preparing for missionary work are also admitted to the High School upon the same terms as men.

## DORMITORY FOR WOMEN

The College has rented and fitted up a large house for the accommodation

of women. A few rooms have already been reserved. Others will be reserved upon application, accompanied by a cash deposit of ten dollars. Rooms and breakfast in this dormitory with lunch and dinner in New Ely dining room will cost from \$100.00 to \$115.00 per term.

#### EXTRA FEE FOR LATE ENROLLMENT

Students must classify and pay their fees for each term before the time set to begin class work. For a failure to do this an extra fee of \$5.00 for those previously enrolled and \$3.00 for new students will be imposed.

#### REGULATIONS AS TO FEES

Fees, room rent and board will not be refunded, except for protracted sickness, certified to by an attendant physician, and then only for so much time as the student was prevented thereby from attending to his college duties. In making refund, \$5.00 will be charged as matriculation fee.

#### REDUCED TUITION AND FINANCIAL AID

William Jewell College gives reduced tuition to ministerial students and sons and daughters of ministers. To secure reduced tuition each student for the ministry must present either ordination papers, a license to preach or the formal approval of his church.

Various opportunities are open to students by which they can earn a part, if not all, of their expenses. The President has a small private fund that is also available for students when they are in temporary need.

A loan fund of \$3,000 is available for the benefit of students worthy of financial aid. All funds provided by churches or individuals and designated for certain students will be administered according to the wishes of the donors. It is desired that churches sending needy ministerial students to the College should either give them direct aid or provide for them through the College.

#### SCHOLARSHIPS

There are a number of scholarships, some of which are owned and governed by the donors; others are open to competition. The Mary M. Melvin and the Noah M. Givan scholarships, each yielding \$50.00 per year, are open to competition. These scholarships are payable in tuition and are awarded by the Faculty.

The Marston scholarship yields \$200 and is for a William Jewell College graduate in Brown University. It is open to competition under rules prescribed by the Faculty. The scholarship was founded by Mr. E. L. Marston, son of Rev. S. W. Marston, D. D., who was for three years, from 1873, Superintendent of

State Missions for the General Association. Dr. Marston is remembered especially as contributing many valuable specimens to the College Museum.

### PRIZES

THE WILLIAM M. FITCH PRIZE—William M. Fitch, '93 offers a \$15.00 gold medal annually to the student who writes the best essay on some specified sociological subject.

THE FRANK B. HEARNE MEDAL IN CHEMISTRY—By the will of Mrs. Roberta Lee C. Hearne of Independence, Missouri, "the Trustees of William Jewell College are directed to purchase annually a medal to cost approximately \$50.00, such medal to be known as the Frank B. Hearne Medal and awarded annually as a scholarship medal for excellency in the study of chemistry. At the discretion of the Trustees, and with the approval of the recipient, the sum of \$50.00 in gold coin may be awarded. The bequest is in affectionate remembrance of her husband, Frank B. Hearne, whose college education was obtained at William Jewell." This prize will in general be awarded to a member of the graduating class, but in exceptional circumstances may be given to a lower class man.

### ORDER

Every student accepted for matriculation is required to sign a pledge to obey the rules and regulations of the College. Students are granted every privilege consistent with good morals and good scholarship, but the Faculty reserves the right of sending any student home whose habits are considered inconsistent with the ideals of the institution.

Leaving town during week days or nights and using this time for other purposes than the pursuit of school duties are marks of an undesirable student.

A student who fails to comply with these regulations, as well as with all others pertaining to honest work and moral living, may expect to be summoned before the Student Council, or the Faculty, or both, to account for his actions.

The Student Council, consisting of representatives from the various college classes was organized for the purpose of discussing and recommending to the Faculty matters of interest to the College. This council gives valuable assistance in matters of discipline and in the promotion of popular government among the students.

### CHAPEL

All students are required to attend chapel exercises, which are held daily except Monday, at 11:30. This convocation is not only for the purpose of holding religious exercises, but also to hear public announcements and to cultivate college spirit and good fellowship.



## CAMPUS AND BUILDINGS

## CAMPUS

The College campus consists of about one hundred acres of wooded upland situated just within the northern and eastern corporation limits of the City of Liberty. Most of the buildings are located on "The Old Hill" of historic associations.

## ATHLETIC FIELD

The athletic field is at the foot of the College Hill and contains twenty acres. There is an oval quarter-mile track enclosing the football gridiron and baseball diamond and a two-hundred-and-twenty-yard straight-away cinder track wide enough for twelve runners abreast. Bleachers and the usual appointments of an athletic field are provided. There are a number of excellent tennis courts.

## GYMNASIUM

The gymnasium is situated at the edge of the athletic field and contains standard basket-ball and hand-ball courts with a full complement of baths, lockers, squad rooms, etc., as well as other equipment.

## JEWELL HALL

Jewell Hall is the oldest of the College buildings. It is a brick structure containing the recitation and lecture rooms of the classes in languages and literature.

## MARSTON SCIENCE HALL

The Science Hall is located at the southern extremity of "The Hill" and contains the class rooms and laboratories of biology, chemistry and physics as well as some allied subjects. Most of the first and second floor is occupied by the department of chemistry. The third floor is given over to physics and the fourth floor will contain the museum and the department of biology. The interior arrangements of this floor have not been completed but will be by the opening of the session of 1921-22. The building is of modern, fireproof, construction and was erected at a cost of about \$115,000. It was especially designed for science work and is a model of its kind.

## THE LIBRARY

The library occupies a handsome modern library building, the gift of Mr. Andrew Carnegie and other friends of the College. It contains 30,970 bound volumes, classified according to the Dewey system and fully cataloged. The reference room is equipped with many of the latest and best works of reference. The reading room receives regularly 121 leading American and foreign periodicals besides eight daily newspapers.

The Spurgeon Collection, consisting of over 7,000 volumes, was the private library of the late Rev. Charles Haddon Spurgeon.

The archives of the Missouri Baptist Historical Society, of which Professor R. P. Rider is president, are in the library building and contain much valuable Baptist history, as does also the College library.

The library is open every week day from 8:00 a. m. to 6:00 p. m. except Saturday afternoon. No library fee is charged, students and Faculty having free access to the books.

## NEW ELY HALL

New Ely Hall is the main dormitory of the College and will accommodate 125 students. It is situated on the College Drive and overlooks the athletic field. It is of brick, four stories in height, fireproof and entirely modern. The dormitory is arranged on the unit plan, each small group of students being provided with private lavatories and baths. A large lobby with fireplaces is located centrally for the social life of the students. The lower floor contains the dining rooms and kitchen. The dining rooms will seat 350 persons. The kitchen is sanitary and modern and is complete in every respect.

## OLD ELY HALL

Women's rest rooms and the cooperative book store occupy the first floor of this building. The second and third floors are used for dormitory purposes.

## REQUIREMENTS FOR ENTRANCE AND GRADUATION

## ENTRANCE

Graduates in the college entrance course of a first class high school are admitted to the freshman class without conditions. For others, fifteen units are required. These must include:

- 2 units of one foreign language.
- 3 units of English.
- 2 units of mathematics (1 algebra, 1 plane geometry).
- 1 unit of laboratory science.
- 1 unit of history.
- 6 units elective.

A unit of work is the standard unit of the high schools, approved by the Superintendent of Public Schools of Missouri. Any work done in an approved high school will be accepted for entrance, but not in greater quantity than is recommended by the department of education of the State. The amount of credit given for work done in non-approved high schools will be determined by the Dean.

A student deficient in not more than two units may enter college as a conditioned freshman, but these conditions must be removed before the end of his sophomore year. It is sometimes necessary for a student to make up deficient units in the college department, in which case 12 hours will count one unit. Examinations for college entrance will be permitted, but not later than two weeks after the student enters school.

Students not prepared to enter the freshman class may make up their conditions in the William Jewell High School, a separate organization, the bulletin of which will be mailed on request.

## DEGREE

1. The College confers only the A. B. degree. *Honorary degrees are not given.*

2. The A. B. degree will be conferred upon students who have satisfied the entrance requirements and have completed 186 term hours of work in the manner hereafter prescribed.

## PLAN OF MAJORS AND MINORS

1. All college courses are classified in a general way under three groups which for convenience of reference will be designated by I, II, III, as follows:

- I. English, Latin, Greek, French, German and Spanish.
- II. Mathematics, physics, chemistry and biology.
- III. History and political science, the social sciences, philosophy, education and Biblical literature and religious education.

2. On entering college a student is required to take in his freshman year the following subjects:

*Freshman English, practical ethics, one foreign language and one subject from either mathematics, physics, chemistry or biology.*

All students in the freshman and sophomore years are required to spend at least three hours per week in some form of athletic sport approved by the Faculty.

3. After completing the freshman work a student must choose one of the eleven majors and its three prescribed minors as shown in the following table. A major is nine terms of work in one subject (unless otherwise stated) taken in regular sequence, and of not less than four hours per week. A minor is six terms of work with such exceptions as appear in the table.

All other work necessary to make the 186 hours for graduation is elective.

The maximum amount of credit a student may receive in one department is sixty hours.

# SCHEDULE FOR 1921-1922

	FALL			WINTER			SPRING		
	Courses	Prerequisites	Cr. Hrs.	Courses	Prerequisites	Cr. Hrs.	Courses	Prerequisites	Cr. Hrs.
7:50	Astron. 1f	Fr.	2	Astron. 2w	1f	2	Astron. 3s	2w	2
	Bible 31	1 yr. hist.	4	Bible 32	31	4	Bible 33	32	4
	Chem. 4	3a	5	Chem. 5	4	5	Chem. 6	5	4
	Engl. 8	30, 5	4	Engl. 34	30, 5	4	Engl. 35	Jun	4
	German 1D		4	German 2D	1D	4	German 3D	2D	4
	Hist. 2	1 U	4	Hist. 3	1U	4	Hist. 4	3	4
	Latin 1D	3 U	4	Latin 2D	1D	4	Latin 3D	2D	4
	Soc. 37	Soph	4	Soc. 38	37	4	Soc. 39	38	4
8:45	Bible 1	Fr.	4	Bible 1a	1 or H. S. O. T.	4	Bible 1b	1a	4
	Bible 41	1b	3	Bible 41a	1b	3	Bible 41b	1b	3
	Engl. 13	Fr.	4	Engl. 16	15	4	Engl. 17	16	4
	Engl. 30	17	4	Engl. 5	30	4	Engl. 7	30, 5	4
	French 4	3	4	French 5	4	4	French 6	5	4
	Geol. 1	Biol. 23, Chem. 3	2	Geol. 2	1	2	Geol. 3	2	2
	Latin 1C	2 U or 1a	4	Latin 2C	1C	4	Latin 3C	2C	4
	Latin 21	4 U	4	Latin 22	4 U	4	Latin 23	4U	4
	Math. 12	2 U	5	Math. 13	12 or 2 1-2U	5	Math. 14	13	5
	Phys. 10	6, Math. 26	5	Phys. 11	10	5	Phys. 12	see 2:10 p. m.	
	Pol. Sci. 9	Soph	4	Pol. Sci. 2	9	4	Pol. Sci. 7	2	4
9:40	Bible 8	1b	4	Bible 9	8	4	Bible 10	9	4
	Biol. 21	Fr.	4	Biol. 22	21	4	Biol. 23	22	4
	Chem. 1a	Fr.	5	Chem. 2a	1	5	Chem. 3a	2	5
	Edu. 14	13	4	Edu. 15	13	4	Edu. 16	Col. stu.	4
	Engl. 18	17	2	Engl. 19	18	2	Engl. 20	19	2
	Math. 24	14	5	Math. 25	24	5	Math. 26	25	5
	Soc. 31	Soph	4	Soc. 4	Soph	4	Soc. 32	31, 4	4
10:35	Biol. 24	22	5	Biol. 25	24	5	Biol. 26	25	5
	Biol. 27	23	5	Biol. 28	23, Chem. 3	5	Biol. 29	26, Chem. 3	5
	Engl. 15	Fr.	4	Engl. 16	15	4	Engl. 17	16	4
	Engl. 39	17, 30, 5	4	Engl. 37	17, 30, 5	4	Engl. 38	17, 30, 5	4
	French 1	Fr.	4	French 2	1	4	French 3	2	4
	Greek 1D		4	Greek 2d	1d	4	Greek 3D	2D	4
	Hist. 7	2, 3, 4	4	Hist. 8	1	4	Hist. 5	8	4
	Phys. 1	Fr.	4	Phys. 2	1	4	Phys. 3	2	4
	Phys. 4	3, Math. 13	5	Phys. 5	3, Math. 13	5	Phys. 6	3, math. 13	5
	Span. 4	3	4	Span. 5	4	4	Span. 6	5	4

NOTE: Students offering two units of Bible from the William Jewell High School will be excused from Bible 1, 1a, 1b as a prerequisite to other courses, and may enter Bible 1a with one year of high school Old Testament as prerequisite.

# SCHEDULE FOR 1921-1922

11:30									
CONVOCATION									
NOON									
FALL			WINTER			SPRING			
Courses	Prerequisites	Cr. Hrs.	Courses	Prerequisites	Cr. Hrs.	Courses	Prerequisites	Cr. Hrs.	
Bible 43a	1b Ed, 12a	2	Bible 43b	43a	2	Bible 43c	43b	2	
Bible 11 (Gr.)	1b, Gr. 23	3	Bible 12	11	3	Bible 13	12	3	
Chem. 7	6	5	Chem. 8	7	5	Chem. 9	8	5	
Edu. 11	Soph.	4	Edu. 12a	11	4	Edu. 13	12a	4	
Engl. 15	Fr.	4	Engl. 16	15	4	Engl. 17	16	4	
German 1	3d	4	German 2	1	4	German 4	2	4	
Graphics 4a	3	2	Graphics 5	4	2	Graphics 6	5	2	
Hist. 2	1U	4	Hist. 3	1U	4	Hist. 4	3	4	
Latin 1a	Fr.	4	Latin 2a	1a	4	Latin 3a	2a	4	
Music 1	Col.	2	Music 2	Col.	2	Music 3	Col.	2	
Philos. 4	Edu. 11	4	Philos. 6	Edu. 11	4	Philos. 3	Edu. 11	4	
Soc. 34	31, 4	4	Soc. 35a	31, 4	4	Soc. 9	one course	4	
Span. 1	Fr.	4	Span. 2	1	4	Span. 3	2	4	
1:15									
French 7	6	4	French 8	7	4	French 9	8	4	
Graphics 1a, 2a, 3a		2e	Graphics 1a, 2a, 3a		2e	Graphics 1a, 2a, 3a		2e	
Greek 21	3D	4	Greek 22	21	4	Greek 23	22	4	
Math. 27	26	5	Math. 28	27	5	Math. 29	28	5	
						Physics 12	3, Graph. 1	5	
3:05									
Latin 24	23	4	Latin 25	23	4	Latin 26	23	4	
4:00									
Athletics. Classes also at 10:35, 2:10 and 3:05			Music 5	4	1	Music 6	5	1	
Music 4	Col	1							

NOTES: (1) Chem. 10, 11, 12, hours to be arranged with instructor. Practical Ethics will recite in the fall and spring terms at 11 a. m. on Monday and 1:15 on Friday. (2) Men's Glee Club, Music 7, 8, 9, Tues. 7:00 p. m. Women's Glee Club, Music 10, 11, 12, Mondays 4:00 p. m. Orchestra, Music 13, 14, 15, Thurs. 4:00 p. m. Band. Music 16, 17, 18, Wed. 7:00 p. m. Credit 1-2 hr. per term each.

TABLE OF MAJORS AND THEIR PRESCRIBED MINORS

Prerequisites to Majors	Majors	Cognate Minor	Second Minor	Third Minor
Entrance units	Biblical Literature and Religious Education. (Must include 3 terms of N. T. Greek)	6 terms of social science	6 terms of Greek.	6 terms of one subject or 3 terms each of two subjects from group II
Entrance units	Biology	6 terms of chemistry or 3 terms of chemistry and 3 terms of physics	6 terms of one foreign language.	6 terms of one subject or 3 terms each of two subjects from group II
Entrance units	Chemistry	6 terms in one laboratory science or 3 terms each in two.	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one foreign language
Entrance units, including at least 2 units of Latin..	English	3 terms of Latin having four years of Latin prerequisite, and 3 additional terms of either French, German, Greek, or Latin. (1).	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one subject or 3 terms each of two subjects from group II
Entrance units	French	6 terms of one foreign language, other than French.	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one subject or 3 terms each of two subjects from group II
Entrance units	German	6 terms of one foreign language other than German.	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one subject or 3 terms each of two subjects from group II
Entrance units	History and Political Science	6 terms of social science	6 terms of one science or 3 terms each of two sciences.	6 terms of one foreign language.
Entrance units, including at least 2 units of Latin.	Latin (6 years of Latin including entrance Latin)	6 terms of one foreign language other than Latin.	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one subject or 3 terms each of two subjects from group II
Entrance units, including 1 1-2 units alg., 1-3 sol. geom.	Mathematics	6 terms of Physics.	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one foreign language.
Entrance units, including 1 1-2 units alg.	Physics	3 terms of mathematics and 3 terms of chemistry, or 6 terms of mathematics	6 terms of one subject or 3 terms each of two subjects from group III.	6 terms of one foreign language.
Entrance units	Social Science	6 terms of history or 3 terms each of history and political science.	6 terms of one foreign language.	6 terms of one subject or 3 terms each of two subjects from group II

NOTE 1—Vergil may be offered for the three additional terms of Latin if it is taken in college.

## GENERAL REGULATIONS

1. The A. B. degree will not be granted to any one who has not done at least 45 term hours of work in this college. Not more than 18 hours of the work of the senior year may be done in absentia; except that, if a student has done his sophomore and junior work in this college and has not more than 48 term hours of elective work remaining for graduation, he may do this elective work in any standard technical school.

2. The College admits no special students.

3. College students are limited to 18 hours of work per week, with certain minor exceptions hereafter noted, not including physical education, but including all other work for which credit is given. Less than 12 hours of work per week cannot be carried without the permission of the Dean.

4. Students are not permitted to drop or exchange a study later than *one week* after recitations begin, without the consent of the Dean.

## INCOMPLETE WORK

If at the close of any term a student's grade is reported as "incomplete" he must make up the deficiency prior to the examination period of the next following term or a grade of F will be recorded and the student barred from further participation in any course to which the deficiency is a prerequisite.

## CORRESPONDENCE

The college will not accept for graduation work done by correspondence from any institution except those of high standing and having regularly organized correspondence departments, and then in no greater amount than one-fourth of the number of term hours required for graduation. Not more than fifteen hours of correspondence work will be accepted in any one department of instruction.

## CLASSIFICATION

College students shall be classified as follows:

(a) A student shall be classified as *Freshman* if the number of term-hours required for his graduation lies between 162 and 108, including his conditions for entrance and excluding the year's work in actual progress.

(b) He shall be classified as *Sophomore* if the number of term-hours required for graduation lies between 107 and 54 under the same conditions as above.

(c) To be classified a *Junior*, the student shall have removed every condition for entrance to college, and the number of term-hours required for



his graduation shall lie between 53 and 1, excluding the year's work in actual progress.

(d) If a student has met all conditions for entrance and there remain no requirements for his graduation besides the year's work in actual progress, he shall be classified a *Senior*.

#### GRADING AND EXAMINATIONS

I. Grades are expressed by the letters, S. A. B. C. D. and F. These letters represent an average between the class grade and the examination grade, but no student can pass a subject in which he has not received both a class grade and examination grade of at least D, which represents a grade of not less than 60 per cent. Credits published with the courses are known as "normal credits."

II. Students who receive the grade S will be given 120 per cent of the normal credit; those receiving A will be given 110 per cent of the normal credit. The grade B entitles the student to the normal credit, but only 90 and 80 per cent, respectively, of the normal credit will be given for the grades C and D. The grade S is not given except by the vote of the Faculty.

III. In classes of more than 14 students the number of A and S grades combined must not exceed 20 per cent of the number of students in the class. This percentage may be increased in smaller classes.

IV. If, in a required course, a student passes but fails to make the normal credit, he will not be required to make up the deficiency in any especially designated course.

#### NEGATIVE CREDITS

I. No student is admitted to an examination if he has been absent from class 25 per cent of the total number of recitations.

II. A student is given *one hour* negative credit for each 12 of his total term absences. Except that this total shall not contain absences in classes in which the student received no credit, nor absences, which, in the opinion of the Faculty were unavoidable.

III. Two absences from chapel will be counted one absence in determining negative credits.

IV. Each absence occurring the day before or the day after a holiday will be treated as *three* absences.

V. Students claiming unavoidable absences must report them to the Dean without delay. Belated excuses will not be considered.

VI. The number of hours of negative credit is obtained by taking the grand total of all unexcused absences for the term and dividing this sum by twelve.

## THE POINT SYSTEM

Beginning with the freshman class of 1921, the following regulations will be put into effect.

A *positive* point will be given for each hour of work in which a student receives a grade of either S, A or B. No points will be given for C grades.

A *negative* point will be given for each hour in which a student receives a grade of either D or F. In order to graduate, a student's positive credits must be at least equal to his negative credits.

## BIBLICAL LITERATURE AND RELIGIOUS EDUCATION

PRESIDENT EVANS AND, PROFESSOR LEWIS

A major in this department must include 1, 1a, 1b and 11, 12, 13, and 2, 3, 4 or 8, 9, 10 or 31, 32, 33. A minor is 1, 1a, 1b and 2, 3, 4 or 8, 9, 10 or 31, 32, 33

College graduates who have taken 1, 1a, and 1b may teach the Bible to high school pupils, in Sunday-school for credit toward graduation in the public high schools of Missouri.

(Students entering college from the William Jewell High School who have had a unit of Old Testament are not required to take 1 as a prerequisite to 1b; those who offer two units in Bible are not required to take 1, 1a, and 1b as prerequisites to further Bible work in the College).

1. OLD TESTAMENT HISTORY. Professor Lewis. Fall term. T., W., Th., F., at 8:45. For freshmen. Credit, 4 hrs. The aim is to familiarize the student with the outlines of Old Testament history. Map drawing and extensive readings in the Old Testament.

1a. NEW TESTAMENT HISTORY. Professor Lewis. Winter term. T., W., Th., F., at 8:45. Prerequisite, 1. For freshmen. Credit, 4 hrs. The main facts of New Testament history are studied in order. Map drawing and extensive readings in the New Testament.

1b. HISTORY OF THE BIBLE. Professor Lewis. Spring term. T., W., Th., F., at 8:45. Prerequisite, 1b. For freshmen. Credit, 4 hrs. The formation of the Bible, the making of the canon, the translations and versions are studied. The history of the English Bible receives special emphasis.

2—3—4. ENGLISH OLD TESTAMENT. Fall, winter, and spring terms. Prerequisite, 1b. Credit, 4 hrs. per term. (Will not be given in 1921-1922).

8. LIFE OF CHRIST. Professor Lewis. Fall term. T., W., Th., F., at 9:40. Prerequisite, 1b. For sophomores. Credit, 4 hrs. After a brief survey of the interbiblical period, the life and times of Jesus are studied. Some attention is given to questions of harmonization, the interpretation of difficult passages, and the synoptic problem.

9—10. RECORDS AND LETTERS OF THE APOSTOLIC AGE. Professor Lewis. Winter and spring terms. T., W., Th., F., at 9:40. Prerequisite, 8. For sophomores. Credit, 4 hrs. per term. During the winter term, most of the time is given to the life and writings of Paul; during the spring term, the rest of the apostolic age is studied.

11a. GREEK NEW TESTAMENT. Professor Lewis. Fall term. M., W., F., at 1:15. Prerequisites, 1b and Greek 23. Credit, 3 hrs. Texts: Short Grammar of the Greek New Testament—Robertson; Greek New Testament—Westcott and Hort or Nestle; Greek-English Lexicon of the New Testament—Thayer. The student is made familiar with the main differences between classical and New

Testament Greek. One of the gospels—usually Mark—is read in Greek. Grammar and translation from English into Greek each week.

12a—13a. GREEK NEW TESTAMENT. Professor Lewis. Winter and spring terms, M., W., F., at 1:15. Prerequisite, 11. Credit, 3 hrs. per term. In addition to the texts in 11 a commentary of the Greek is used. One of Paul's epistles is usually read. Grammar and translation into Greek.

31. HISTORY OF CHRISTIANITY. Professor Lewis. Fall term. T., W., Th., F., at 7:50. Prerequisite, a year of college history. Credit, 4 hrs. Text: A History of the Christian Churches—Walker. The history of Christianity is traced from the beginning to the Reformation. References and lectures.

32. HISTORY OF CHRISTIANITY. Professor Lewis. Winter term. T., W., Th., F., at 7:50. Prerequisite, 31. Credit, 4 hrs. Text: Same as in 31. Most of the time this term is devoted to the Reformation.

33. HISTORY OF CHRISTIANITY. Professor Lewis. Spring term. T., W., Th., F., at 7:50. Prerequisites, 32. Credit, 4 hrs. Text: The Spread of Christianity in the Modern World—Moore. Most of the time this term is devoted to the history of modern missions and the rise and development of modern denominations.

41—41a. CHRISTIAN DOCTRINE. President Evans. Fall and winter terms. W., Th., F., at 8:45. Prerequisite, 1b. Credit, 3 hrs. per term. Text: Outline of Christian Theology—Clark. The fundamental teachings of Christianity are studied in their Scriptural, philosophical, and historical setting.

41b. APOLOGETICS. President Evans. Spring term. W., Th., F., at 8:45. Prerequisite, 1b. Credit, 3 hrs.

43a. RELIGIOUS EDUCATION. Professor Lewis. Fall term. T. and Th., at 1:15. Prerequisites, 1b and Education 12a. Credit, 2 hrs. The history and aims of religious education.

43b—43c. RELIGIOUS EDUCATION. Professor Lewis. Winter and spring terms. T. and Th., at 1:15. Prerequisite, 43. Credit, 2 hrs. per term. The methods, materials, curriculum and administration of religious education are discussed.

Not more than 60 hours of credit toward the A. B. degree will be allowed in this department.

## BIOLOGY

PROFESSOR VICK

The nine courses given below constitute a major; any six courses a minor.

21—22. GENERAL BIOLOGY. Fall and Winter terms. Lectures T., Th., at 9:40. Laboratory 4 hrs. per week. For freshmen. Credit, 4 hrs. per term. Texts: College Zoology—Hegner. Principles of Botany—Bergen and Davis. This course is designed for students who desire a comprehensive view of the fundamentals underlying the great principles governing modern biology. In the laboratory the

cell as a biological unit is studied, also the structure and development of the lower forms of animal and plant life, followed by the morphology, physiology, histology and embryology of the frog.

23. GENERAL BOTANY. Spring term. Lectures T., Th., at 9:40. Laboratory 4 hrs. per week. Prerequisite, 22. Credit, 4 hrs. Text: Principles of Botany—Bergen and Davis. A brief survey of the plant kingdom including a study of the morphology, development and distribution of a series of typical representatives of the liverworts, mosses, ferns and flowering plants. Part of the time will be spent in becoming acquainted with the local flora.

24. INVERTEBRATE ZOOLOGY. Fall term. Lectures T., Th., at 10:35. Laboratory 6 hours per week. Prerequisite, 22. Credit, 5 hrs. Text: College Zoology—Hegner. This includes a study of the invertebrate animals, their adaptations and relationships, morphology and development, and the principles of zoology. In the laboratory types not considered in 22 are studied, attention being given to some of the parasitic invertebrates, their structure, life history and economic importance.

25. COMPARATIVE ANATOMY OF VERTEBRATES. Winter term. Lectures T., Th., at 10:35. Laboratory 6-8 hours per week. Prerequisite, 24. Credit, 5 hrs. Texts: Vertebrate Zoology—Newman. Kingsley's Outlines. A study of the comparative development of the various systems of organs of vertebrate animals with reference to their structures, development and homologies. The laboratory work consists of a comparative study of amphioxus, lamprey, dogfish, and turtle.

26. MAMMALIAN ANATOMY. Spring term. Lectures T., Th., at 10:35. Laboratory 6-8 hours per week. Prerequisite, 25. Credit, 5 hrs. Texts: Mammalian Anatomy—Davison. This is a continuation of course 25 except that special attention is given to the anatomy of the cat.

27. EMBRYOLOGY AND HISTOLOGY. Fall term. Lectures M., W., at 10:35. Laboratory 6 hours per week. Prerequisite, 23. Credit, 5 hrs. Study of the development of the frog and chick, principles of microscopy, and the preparation of histological material. Lectures deal with the development of sexual cells, cleavage of egg, formation of the principal organs and the differentiation of tissues in vertebrates. In the laboratory the student prepares his own microscopical slides.

28. GENERAL BACTERIOLOGY. Winter term. Lectures M., W., at 10:35. Laboratory 6 hours per week. Prerequisites, Biol. 23; Chem. 1, 2, 3. Credit, 5 hours. An introductory course to the fundamental facts of bacteriology including discussions of the relation of micro-organisms to industries and hygiene. In the laboratory the student studies the morphology and physiology of yeasts, molds and typical non-pathogenic bacteria, and becomes acquainted with the methods in sterilization, culture media, isolation, identification and the growing of bacteria.

29. PHYSIOLOGY. Spring term. Lectures M., W., at 10:35. Laboratory 6 hours per week. Prerequisites, 26; Chem. 1, 2, 3. Credit, 5 hrs. A study of the

anatomy and physiology of the human body. In the laboratory attention is given to the structure and function of the various organs and systems of the human body and of other representative vertebrates.

NOTE: Laboratory hours for courses 21, 22, 23, are as follows: 1st division. Mon., Wed., 2:15-4:00; 2nd division, Tues., Thurs., 2:15-4:00 p. m. For the advanced courses the laboratory will be open every afternoon from 1:15-4:00 p. m.

Students preparing for medicine should take at least two years of chemistry in addition to biology.

## CHEMISTRY

### PROFESSOR PARKER AND ASSISTANTS

Courses 1, 2, 3, 4, 5, 6, 7, 8 and 9 form a major and 1, 2, 3, 4, 5 and 6 a minor in chemistry.

1a—2a. GENERAL CHEMISTRY. Fall and winter terms. Lectures, M., W., F., at 9:40. Laboratory, two periods weekly. For freshmen. Credit, 5 hrs. per term. Text: A course in General Chemistry—McPherson and Henderson. Students who offer chemistry for college entrance will be enrolled in this course, but may be given special work suited to their advancement. Chem. 1 covers the general introduction to chemistry and most of the non-metallic elements. Chem. 2 takes up the metals.

3a. QUALITATIVE ANALYSIS. Spring term. Prerequisite Chem. 2, of which this course is a continuation. Lectures W., F., at 9:40. Laboratory three periods weekly. Credit, 5 hrs. Lectures will embrace general chemical theory including the elements of physical chemistry.

4. CHEMICAL ANALYSIS. Fall term. Lectures T., Th., at 7:50. Laboratory, three periods weekly. For sophomores. Prerequisites, 1, 2, 3. Credit 5 hrs. Text: Chemical Analysis—Newth. Course is a continuation of Chem. 3 and includes some quantitative analysis with a brief course of introductory lectures on organic chemistry.

5—6. ORGANIC CHEMISTRY. Winter and spring terms. Lectures at 7:50. Laboratory two periods weekly. For sophomores. Prerequisites, Chem. 4 and preceding chemistry. Credit, 5 hrs. per term. Text: Theoretical Organic Chemistry—Cohen.

7—8—9. QUANTITATIVE ANALYSIS. Fall, winter and spring terms, at 1:15. Laboratory three periods weekly. For juniors. Prerequisites Chem. 6 and preceding chemistry. Credit, 5 hrs. Text: Quantitative Analysis—Mahin. Course includes gravimetric and volumetric analysis, gas analysis and various forms of standard methods for the quantitative determination of the chemical elements.

10. SYNTHETIC ORGANIC PREPARATIONS. For seniors. Prerequisites, Chem. 9 and preceding courses. Credit, 5 hrs. Advanced preparation of carbon compounds.

11. QUANTITATIVE ANALYSIS. Special methods. For seniors. Prerequi-

ites, Chem. 9 and preceding courses. Credit 5 hrs. Water analysis and various special methods.

12. ASSAYING. Spring term. Three laboratory periods weekly. For seniors. Prerequisites, Chem. 9 and preceding chemistry. Credit, 5 hrs. Course includes the various processes employed in the fire assay of the precious metals crucible fusion, scorification and cupellation.

Students preparing for engineering should take at least two years of physics, and two years of mathematics in addition to chemistry. Those expecting to study medicine should take at least one year of physics and one, or preferably two in biology, in addition to a minimum of two years of chemistry, or better three years of chemistry.

The work of the senior year in chemistry may be modified to suit the needs of the individual student. The professor should be consulted.

All laboratory work up to the senior year will come regularly afternoons from 2:10 to 4. Sections will be so alternated that any student may take any two sciences without conflict, at least in the elementary classes.

For physical chemistry see department of physics.

## EDUCATION

PROFESSOR -----

The following six courses constitute a minor.

11. PSYCHOLOGY. A comprehensive view of the facts, principles, and theories of human psychology. Fall term. T., W., Th., F., at 1:15. For sophomores. Credit, 4 hrs.

12a. GENETIC PSYCHOLOGY. The development of the mind from birth to maturity is traced thru its various stages. Winter term. T., W., Th., F., at 1:15. Prerequisite, 11. Credit, 4 hrs.

13. EDUCATIONAL PSYCHOLOGY. The fundamental conceptions and facts relative to the learning process are analyzed and illustrated. Spring term. T. W., Th., F., at 1:15. Prerequisite, 12a. Credit, 4 hrs.

14. METHODS OF TEACHING IN HIGH SCHOOLS. The general principles of method are discussed and applied to the problem of high school instruction. Fall term. T., W., Th., F., at 9:40. Prerequisite, 13. Credit, 4 hrs.

15. HIGH SCHOOL ADMINISTRATION. The relation of the high school to the elementary school and the college, the program of studies, the organization, management, equipment, and the supervision of the high school are treated. Winter term. T., W., Th., F., at 9:40. Prerequisite, 13. Credit, 4 hrs.

16. HISTORY OF EDUCATION. While the whole history of education is surveyed, especial attention is given to the more recent developments in our own country. For college students. Spring term. T., W., Th., F., at 9:40. Credit, 4 hrs.

Arrangements will be made for a limited number of students to do practice teaching in the college high school. No student will be permitted to do

practice teaching who has not had Education 14.

Students who have taken these courses and have done as much as five hours of practice teaching for one term may receive upon graduation, without examination, a three-year certificate to teach in the public schools of Missouri, which may, after two years of successful teaching in Missouri within the three-year period, be exchanged for a life certificate without further examination.

## ENGLISH

PROFESSORS FRUIT, EDWARDS AND HARVEY

15. COMPOSITION. Professor Harvey. Fall term. T., W., Th., F., at 8:45, 10:35, and at 1:15, M., T., W., Th. Prerequisites, college entrance requirements in English. Required of all freshmen. Credit, 4 hrs. Text: Freshman English—Lathrop, together with William Jewell Desk Book. The essentials of prose composition and much practice writing.

16. COMPOSITION. Professor Harvey. Winter term. Hours as in 15. Prerequisite, 15. Required of all freshmen. Credit, 4 hrs. Text: Writing of Today—Cunliffe and Lomer. The purpose of this course is to give training in the method, structure, and style of the forms of prose composition. Emphasis is placed on the analysis of the forms of modern specimens in exposition and argumentation.

17. COMPOSITION. Professor Harvey. Spring term. Hours as in 15. Prerequisites, 15, 16. Required of all freshmen. Credit, 4 hrs. Texts: Writing of Today—Cunliffe and Lomer; What Can Literature Do For Me—Smith. Special study and practice in narration, description, and feature writing.

18. JOURNALISM. Gathering News. Professor Harvey. Fall Term. Prerequisites, 15, 16, 17. Hours 9:40, twice a week, days to be arranged. Credit, 2 hrs. Text: Newspaper Writing and Editing—Bleyer. For the members of the *Student* staff and its reporters.

19. JOURNALISM. Problems of Reporting. Professor Harvey. Winter term. Hours as in 18. Prerequisite, 18, Credit, 2 hrs. For members of the *Student* staff and its reporters. Analysis of news values and the problems of reporting. Discussion of fair play and accuracy.

20. JOURNALISM. The Newspaper. Professor Harvey. Spring term. Hours as in 18. Prerequisites, 19. Credit, 2 hrs. For members of the *Student* staff and its reporters. Reading copy and rewriting. Fundamentals of newspaper organization.

21. PUBLIC SPEAKING. Professor Harvey. Spring term. Hours and days to be arranged. Prerequisites, 15, 16. Credit, 2 hrs. Intensive training in oratory and debate for the members of the intercollegiate debate squad and for the oratorical contestants.

30. A SURVEY OF ENGLISH LITERATURE FROM THE FOURTEENTH TO THE NINETEENTH CENTURY. Professor Fruit. Fall term. T., W., Th., F., at 8:45. Pre-



quisites, 15, 16, 17. For Sophomores. Credit, 4 hrs. Masterpieces representative of the different periods for reading and weekly reports.

5. SHAKESPEARE AS A DRAMATIST. Professor Fruit. Winter term. T., W., Th., F., at 8:45. Prerequisite, 30. For sophomores. Credit, 4 hrs. Text: Development of Shakespeare as a Dramatist—Baker. The reading and study of Love's Labour's Lost; Merchant of Venice; Romeo and Juliet; Hamlet; Macbeth; Othello; As You Like It; Tempest.

7. VICTORIAN POETRY. Professor Fruit. Spring term. T., W., Th., F., at 8:45. Prerequisite 30, 5. Credit, 4 hrs. Text: Literature of the Victorian Era—Hugh Walker; Victorian Anthology—Stedman.

8. VICTORIAN PROSE. Professor Fruit. Fall term. T., W., Th., F., at 7:50. Prerequisites, 30, 5. For juniors. Credit, 4 hrs. Texts: Literature of the Victorian Era—Hugh Walker. Readings in Prose of the Nineteenth Century—Alden.

34. MODERN DRAMA. Professor Fruit. Winter term. T., W., Th., F., at 7:50. Prerequisite, 30, 5. For juniors. Credit, 4 hrs. Text: Aspects of the Modern Drama—Chandler. Representative British and American plays critically studied.

35. ESTHETICS AND CRITICISM. Professor Fruit. Spring term. T., W., Th., F., at 7:50. For juniors. Credit, 4 hrs. Texts: Psychology of Beauty—Puffer; Essentials of Aesthetics—Raymond; Principles of Criticism—Worsfold. Literature in its higher forms is an art, for which reason the student of literature should be also a critic of literature.

39. THE ENGLISH LANGUAGE. Professor Edwards. Fall term. T., W., Th., F., at 10:35. Prerequisites, English 15, 16, 17, 30 and 5. For juniors. Credit, 4 hrs. Text: Modern English: Its Growth and Present Use—George Philip Krapp. This course is designed especially for those who expect to teach the English language.

37. WALT WHITMAN. Professor Edwards. Winter term. T., W., Th., F., at 10:35. Prerequisites, English 15, 16, 17, 30 and 5. For juniors. Credit, 4 hrs. Texts: Leaves of Grass, Complete Prose—Walt Whitman. An intensive study of the poet and his work against the background of his time and country will be made, showing Whitman not only as a poet of revolt and a prophet of democracy but also as the forerunner of the new movement in poetry.

38. CONTEMPORARY POETRY. Professor Edwards. Spring term. T., W., Th., F., at 10:35. Prerequisites, English 15, 16, 17, 30 and 5. For juniors. Credit, 4 hrs. Text: The New Poetry—Edited by Harriet Monroe and Alice Corbin Henderson. A study of English and American poetry since 1900, with special reference to the "new poetry", its form and its content.

## FRENCH

PROFESSOR BASKETT

The following courses form a major in French, the first six form a minor.

1-2-3. **ELEMENTARY FRENCH.** Fall, winter and spring terms. T., W., Th., F., at 10:35. Credit, 4 hrs. each. Grammar and reading; drill in pronunciation, forms and elementary composition. Texts: French Grammar—Fraser and Squair; *Petits Contes de France*—Meras and Roth; *Features of French Life*—Robert; *Histoire de France*—Lavissee.

4-5-6. **SECOND YEAR FRENCH.** Fall, winter and spring terms. T., W., Th., F., at 8:45. Prerequisite, 3. Credit, 4 hrs. each. Reading of simple prose texts with exercises in dictation and composition. Review of grammar, study of irregular verbs completed. Text: French Grammar—Fraser and Squair. French Review Grammar—Carnahan. About 750 pages from the works of Merimee, Hugo and Dumas.

7-8-9. **MODERN FRENCH WRITERS.** Fall, winter and spring terms. M., T., W., Th., at 2:10. Prerequisite, 6. Credit, 4 hrs. each. Translation and reading of the works of modern authors. About 1400 pages are read.

## GEOLOGY

PROFESSOR VICK

1-2-3. **GENERAL GEOLOGY.** Fall, winter and spring terms. Lectures and recitations, M., W., at 8:45. Prerequisites, Biol. 21, 22, 23; Chem. 1, 2, 3. Credit, 2 hrs. per term. Text: College Geology—Chamberlin and Salisbury. This is a general course covering the fields of dynamical, structural and historical geology, including a study of the atmospheric, aqueous, igneous and organic agencies; the hypothesis for the origin of the earth; principles of sedimentation; geographic changes of the North American continent; climate and life of each geologic period.

## GERMAN

PROFESSOR BASKETT

The following nine courses form a major in German; six of them form a minor.

1d-2d-3d. **ELEMENTARY GERMAN.** Fall, winter and spring terms. T., W., Th., F., at 7:50. Credit, 4 hrs. each. Text: First Course in German—Schrage and Alexis. The first term is devoted to the grammar. With the second term the reading of simple German texts is begun and continued through the year. About 150 pages are read. With the grammar and reading is combined a great deal of composition, both oral and written.

1-2. **INTERMEDIATE GERMAN.** Fall and winter terms. M., T., W., Th., at 1:15. Prerequisite, 3d. Credit, 4 hrs. each. With the reading of about 300 pages of German prose is combined a systematic review of the grammar. Oral and written composition based on the texts read.

4. SCHILLER'S WORKS. Spring term. M., T., W., Th., at 1:15. Prerequisite, 2. Credit, 4 hrs. The reading of some of Schiller's dramas affords an introduction to the classical German drama. Themes based on the texts are required.

10-11-12. MODERN GERMAN NOVEL AND DRAMA. Fall, winter and spring terms. T., W., Th., F., at 1:15. Prerequisite, 4. Credit, 4 hrs. each. With the reading of the works of modern authors is combined some practice in writing German. This course will not be given in 1921-22.

## GRAPHICS

PROFESSOR DAVIS

1a. ELEMENTS OF DRAFTING. Use of instruments; applied geometry; free-hand lettering; isometric projection. Course repeated fall, winter and spring terms at 2:10. M., W., or T., Th. Elective. Credit, 2 hrs. Text: Engineering Drawing—French.

2a. PROJECTIONS. Orthographic projection; pictorial representation. Course repeated fall, winter and spring terms at 2:10 M., W. or T., Th. Credit 2 hrs. Prerequisite, Graphics 1a. Text: Same as Graphics 1.

3a. APPLICATIONS OF DRAWING. Working drawings; sketches; tracings; and duplication in blue-print. Course repeated fall, winter and spring terms at 2:10. M., W., or T., Th. Credit, 2 hrs. Prerequisite, Graphics 2. Text: Same as Graphics 1.

4a. DESCRIPTIVE GEOMETRY. Point, line and plane. Fall term at 1:15 M., T., W., Th. Credit, 2 hrs. Prerequisite, Graphics 3. Text: Theory of Engineering Drawing—Adler.

Upon presentation of plates showing the satisfactory completion of the equivalent of courses 1, 2 and 3 a student may be enrolled in this course.

5. DESCRIPTIVE GEOMETRY. Surfaces, intersection and developments. Winter term at 1:15. M., T., W., Th. Credit, 2 hrs. Prerequisite, Graphics 4. Text: Same as Graphics 4.

6. DESCRIPTIVE GEOMETRY. Perspective projection, shades and shadows. Spring term at 1:15. M., T., W., Th. Credit, 2 hrs. Prerequisite Graphics 5. Text: Same as Graphics 4.

## GREEK

PROFESSOR COON

Courses 1d, 2d, 3d, 21, 22, 23, form a minor.

1d-2d-3d. ELEMENTARY GREEK. Fall, winter and spring terms. 10:35. Credit, 4 hrs. each.

21. XENOPHON, ANABASIS. Fall term. 2:10. Prerequisite, 3d. Credit, 4 hrs. The purpose of the course is to strengthen the student's knowledge of forms

and syntax, and to increase his facility in the reading of easy Greek.

22. HERODOTUS, SELECTIONS. Winter term. 2:10. Prerequisite, 21. Credit, 4 hrs. Herodotus is studied both as a story teller and as a historian. Many of his most interesting stories are read. One purpose of the course is to increase the student's vocabulary.

23. HOMER, ILIAD. Spring term. 2:10. Prerequisite, 22. Credit, 4 hrs.

\*24. PLATO, APOLOGY AND CRITO. Fall term. Prerequisite, 23. Credit, 4 hrs.

\*25. SOPHOCLES, OEDIPUS REX. Winter term. Prerequisite, 24. Credit, 4 hrs.

\*27. DEMOSTHENES, ON THE CROWN. Spring term. Prerequisite, 25. Credit, 4 hrs.

\*Not given in 1921-22.

## HISTORY

PROFESSOR MACKINNEY

The nine history courses form a major in history; six of them form a minor in history. The three political science courses plus six history courses form a major in history and political science; plus three, form a minor.

2, 3—4. MEDIEVAL AND MODERN EUROPE. Fall, winter and spring terms. Lectures and class discussion. M., T., W., Th., 1:15; T., W., Th., F., 7:50. For freshmen who have had one unit of high school history, preferably ancient history. Credit, 4 hrs. per term. Text: History of Western Europe—Robinson. The first term deals with the period before the Protestant Revolt, using texts with some library reading. The last two terms deal with Modern Europe and involve more library work with individual research and writing of special papers.

7. CONSTITUTIONAL HISTORY OF ENGLAND. A survey of English history with special emphasis on the development of Parliament and modern democratic features. Fall term. T., W., Th., F., at 10:35. Prerequisite, History 2, 3, 4. Credit, 4 hrs. Class notes on lectures, discussion, library reading, and preparation of special topics are required.

8. CONSTITUTIONAL HISTORY OF THE UNITED STATES. A survey of the formation and development of the constitution and national life through the Civil War. Winter term. T., W., Th., F., 10:35. Prerequisite, History 7. Credit, 4 hrs. A course supplementing History 7 and conducted similarly.

5. RECENT HISTORY OF THE UNITED STATES SINCE THE CIVIL WAR. Spring term. T., W., Th., F., 10:35. Prerequisite, History 8. Credit, 4 hrs. This course deals with reconstruction, industrial expansion, and modern problems.

## LATIN

PROFESSOR COON AND ASSISTANT PROFESSOR KERN

Courses 1d, 2d, 3d, 21, 22, 23, and three additional terms of four hours each, for which 23 is a prerequisite, form a major. Six consecutive terms of college Latin form a minor.

1a—2a—3a. BEGINNING LATIN AND CAESAR. Fall, winter and spring terms at 1:15. Credit, 4 hrs. each term. This course is open for credit to those who offer two units of Latin or less for entrance.

1c—2c—3c. CICERO, ORATIONS. Fall, winter and spring terms, 8:45. Prerequisite, two entrance units in Latin. Credit, 4 hrs. each term. Latin composition will be given one day a week. Emphasis will be placed on word derivation. Some study will be made of Roman political institutions. This course is designed primarily for students who offer only two entrance units of Latin.

1d—2d—3d. VERGIL, AENEID BOOKS I-VI. Fall, winter and spring terms, 7:50. Prerequisite, three entrance units in Latin. Credit, 4 hrs. each term. Latin composition and the study of verse structure will be given the equivalent of one hour a week. Emphasis will be placed on the cultural aspects of the two poets.

21. CICERO, DE AMICITIA, DE SENECTUTE. Fall term, 8:45. Prerequisite, four entrance units in Latin. Credit, 4 hrs. In the fall of 1921 the De Amicitia will be read carefully and the De Senectute more rapidly.

22. PLINY, SELECTED LETTERS. Winter term, 8:45. Prerequisite, four entrance units in Latin. Credit, 4 hrs. In this course some study will be made of Roman life in the Silver Age. The epistolary type of literature also will be studied.

23. SELECTIONS FROM LATIN POETS. Spring term, 8:45. Prerequisite, four entrance units in Latin. Credit, 4 hrs. In this course are included the best of the shorter poems in Latin literature from Ennius to Boethius. There are also a number of Latin hymns.

24. HORACE, ODES. Fall term, 3:05. Prerequisite, 23. Credit, 4 hrs.

25. CICERO PHILOSOPHICAL WORKS. Winter term, 3:05. Prerequisite, 23. Credit, 4 hrs.

26. LUCRETIVS. Spring term, 3:05. Prerequisite, 23. Credit, 4 hrs.

\*31. HORACE, SATIRES AND EPISTLES. Fall term, 3:05. Prerequisite, 23. Credit, 4 hrs.

\*28. LATIN PROSE COMPOSITION. Winter term, 3:05. Prerequisite, 23. Credit, 4 hrs.

\*30. JUVENAL. Spring term, 3:05. Prerequisite, 23. Credit, 4 hrs.

\*Not given in 1921-22.

## MATHEMATICS AND ASTRONOMY

PROFESSOR FLEET

Mathematics 12, 13, 14, 24, 25, 26, 27, 28 and 29 form a major. The first six of these form a minor.

12. COLLEGE ALGEBRA. Fall term. Daily, at 8:45. Prerequisite, one unit of algebra and one unit of plane geometry. For freshmen. Credit, 5 hrs. Text: Advanced Algebra and Trigonometry—Brenke. This course will contain a review of elementary algebra and a few advanced topics.

13. PLANE AND SPHERICAL TRIGONOMETRY. Winter term. Daily, at 8:4. Prerequisite, 12 or  $1\frac{1}{2}$  units of algebra and 1 unit of geometry. Credit, 5 hrs. Text: Same as for 12.

14. COLLEGE ALGEBRA. Spring term. Daily, at 8:45. Prerequisite, 13. Credit, 5 hrs. Text: Same as for 12. This course will be a continuation of course 12. Some of the more advanced topics of the subject will be treated.

24—25—26. ANALYTICAL GEOMETRY AND CALCULUS. Fall, winter and spring terms. Daily at 9:40. Prerequisite, 14. Credit, 5 hrs. each term. In these courses, extending throughout the year, the text by Wood and Bailey will be completed.

27—28—29. DIFFERENTIAL EQUATIONS AND ANALYTICAL MECHANICS. Fall, winter and spring terms. Daily, at 2:10. Prerequisite, 26. Credit, 5 hrs. each. Murray's text on differential equations is used and either Jean's Mechanics or a text of equal grade.

1f—2w—3s. DESCRIPTIVE ASTRONOMY. Fall, winter and spring terms. Tuesday, and Thursday, at 7:50. For college students. Credit, 2 hrs. each.

Other courses in advanced mathematics will be given on sufficient demand.

Students who expect to study engineering are advised to take at least one year of chemistry, two years of physics and two years of mathematics.

## MUSIC

PROFESSOR COOPER

1, 2, 3. MUSIC APPRECIATION. Fall, winter and spring terms. T., Th. at 1:15. For college students. Credit, 2 hours per term. A lecture course designed to enable the student to appreciate all forms of good music. A brief survey of the history of the art is made, and a number of great masterpieces are analyzed and studied.

4—5—6. PRACTICAL CHURCH MUSIC. Fall, winter and spring terms. W. at 4:00. For college students. Credit, 1 hour per term. Text: Music in the History of the Western Church—Edward Dickinson. A study of the history of church music and the psychology of church service. A detailed practical and

historical study of hymns and hymn-tunes is pursued and consideration is given to the problems met with in the administration of church music.

7, 8, 9. MEN'S GLEE CLUB. Fall, winter and spring terms. Tuesday evening at 7:00. For college students. Credit, one-half hour per term. Enrollment subject to approval of director. The club makes two extended tours annually and gives a number of local concerts.

10, 11, 12. WOMEN'S GLEE CLUB. Fall, winter and spring terms. M. at 4:00. For college students. Credit, one-half hour per term. Enrollment subject to approval of director. A study of choral works is pursued by the club and a number of appearances in concert are made annually.

13, 14, 15. ORCHESTRA. Fall, winter and spring terms. Th. at 4:00. For college students. Credit, one-half hour per term. Enrollment subject to approval of director. The orchestra makes a study of standard overtures and concert-pieces, furnishes music for college events, and gives an annual concert.

16, 17, 18. BAND. Fall, winter and spring terms. Wednesday evening at 7:00. For college students. Credit, one-half hour per term. Enrollment subject to approval of director. The college band furnishes music for athletic events and other college activities.

## PHILOSOPHY

DOCTOR GREENE AND PROFESSOR FRUIT

4. INTRODUCTION TO PHILOSOPHY. Professor Fruit. Fall term. M., T., W., Th., at 1:15. Prerequisite, Edu. 11. Credit, 4 hrs. This course is designed to give the beginner a perspective of what philosophy is about and how it may help him.

6. HISTORY OF PHILOSOPHY. Professor Fruit. Winter term. M., T., W., Th., at 1:15. Prerequisite, Edu. 11. Credit, 4 hrs.

3. LOGIC. Professor Fruit. Spring term. M., T., W., Th., at 1:15. Prerequisite, psychology. Credit, 4 hrs. This is an elementary course in the study of the aims and methods of thinking.

22—23. PRACTICAL ETHICS. Dr. Greene. Fall and spring terms. M. at 11:00 and F. at 1:15. Required of freshmen. Maximum credit, 2 hrs. per term. The maximum number of term hours for which a student may receive credit while taking this course will be 20. Subjects taken and dropped with a grade of F will be counted in the number of hours taken.

## PHYSICAL EDUCATION

PROFESSOR BOWLES AND ASSISTANTS

1—2—3 PHYSICAL EDUCATION—PRACTICAL. Fall, winter and spring terms. At 10:35, 2:10, 3:05, and 4:00. One hour each period three times a week.

Required of all freshmen and sophomores. Elective for juniors and seniors. Credit, one-half hour per term.

The following forms of exercise will be given throughout the year: football, basketball, baseball, track, tennis, handball, medicine ball, soccer, indoor baseball, gymnastics, wrestling, boxing.

Fall term. PHYSICAL EDUCATION 1. Classes in the following forms of exercise will be organized: basketball, tennis, handball, medicine ball, soccer, track, and football, at the hours given above.

Winter term. PHYSICAL EDUCATION 2. Boxing, wrestling, hand ball, medicine ball, soccer, gymnastics, indoor baseball, track, and basketball will be given at the hours designated above.

Spring term. PHYSICAL EDUCATION 3. Basketball, tennis, hand ball, medicine ball, soccer and baseball—see hours named above.

All students in the freshman and sophomore classes are required to spend at least three periods per week in some form of athletic sport approved by the Faculty. Credit toward graduation will be given at the rate of  $\frac{1}{2}$  hour per term. A maximum of 6 hours may be offered toward graduation.

Students claiming physical disability must present a statement, signed by a physician designated by the Director of Athletics, giving reasons for his claim.

In no case will a student be graduated without fulfilling the requirement for athletic credit.

Students absent from classes in athletics shall receive negative credit at the rate of one hour (1) for twelve absences. In the case of sickness opportunity will be given to make up absences.

Men engaged in outdoor labor may receive credit toward their athletic requirement for such labor at the discretion of the Director of Athletics. Special arrangements must be made with the Director of Athletics in such cases.

In compliance with suggestions from the United States Health Service the Athletic Committee will make provision for a series of lectures to be given each term upon the subjects pertaining to sanitation and hygiene. All college students will be required to attend these lectures.

## PHYSICS

PROFESSOR DAVIS AND ASSISTANT

Courses 1, 2, 3, and any six additional courses of physics form a major: 1, 2, 3 and any three additional courses form a minor.

1—2—3. GENERAL PHYSICS. Fall, winter and spring terms. Lectures T., Th., at 10:35. Two laboratory periods per week. For freshmen. Credit, 4 hrs. per term. Students offering physics for entrance as well as those who are taking the subject for the first time will be enrolled in this class. The equivalent



of 1, 2, and 3 is required of all students entering medical or engineering schools, elective by all others. Students offering physics for entrance may enter physics 2 without Physics 1.

4. MECHANICS. Fall term. Lectures M., W., F., at 10:35. Two laboratory periods per week. For Sophomores. Prerequisite, 3 and Math. 13. Credit, 5 hrs. Text: College Physics. Courses 4, 5, and 6 comprise the second year of general physics. Discussion of force, machines, liquids and gases.

5. HEAT, LIGHT AND SOUND. Winter term. Lectures, M., W., F., at 10:35. Two laboratory periods per week. For sophomores. Credit, 5 hrs. Prerequisites, 3 and Math. 13. Text: Same as 4. This course is founded on the idea of the transmission of energy by wave motion.

6. ELECTRICITY. Spring term. Lectures, M., W., F., at 10:35. Two laboratory periods per week. Prerequisite, 3; Math. 13. For sophomores. Credit, 5 hrs. Text: Physics for Technical Students—Anderson. This deals with the elements of electricity and magnetism and is a prerequisite to 10 and 11. 4, 5, 6 are required of all engineering students. 4, 6, are required for entrance to some medical schools.

\*7. INTRODUCTION TO ELECTRON THEORY. Fall term. Lectures, M., W., F., at 8:45. Two laboratory periods per week or their equivalent in reading in the library. Prerequisites, 5 and 6. For juniors and seniors. Credit, 5 hrs. Ionization by X-ray and radio-active substances and an introduction to the principles of wireless telegraphy.

\*8. PHYSICAL CHEMISTRY. Winter term. Lectures, conferences and laboratory daily at 8:45. Prerequisites, 7 and Chem. 1, 2, 3. For juniors and seniors. Credit, 5 hrs. This course embodies the principles of physics as applied to chemistry and is required for chemical engineers, and for entrance to some medical schools.

\*9. HEAT AND LIGHT. Spring term. Lectures, conferences, and laboratory daily at 8:45. Prerequisite, 5. For juniors and seniors. Credit, 5 hrs. A general discussion of the transmission of energy by wave motion and an introduction to spectrum analysis.

10. DIRECT CURRENT ELECTRICITY. Fall term. Lectures, conferences and laboratory, daily at 8:45. Prerequisites, 6 and Math. 26. Credit, 5 hrs. Direct current machinery including dynamos, motors, coils, and batteries, as well as the distribution and use of the current will be discussed.

11. ALTERNATING CURRENTS. Winter term. Lectures, conferences and laboratory, daily at 8:45. Prerequisite, 10. Credit 5 hrs. Theory and practice in the generation, transmission and use of alternating current.

12. SURVEYING. Spring term at 2:10. Prerequisites, 3 and Graphics 1a. Credit, 5 hrs. Text: Surveying Manual—Ives. In the classroom the theory of surveying will require about one hour per week. The rest of the time will be given to field work. This course requires a two hour period.

In so far as possible all laboratory periods will be arranged for 2:10 to 4:00 o'clock.

Men preparing for engineering should take all the courses in physics and at least one year in chemistry and mathematics thru differential equations.

Men preparing for medical college should consult the catalog of the school which they expect to enter for entrance requirements, but in no case is the entrance requirement in physics less than one year and in some colleges it is two years.

\*7, 8, 9 not given in 1921-22.

## POLITICAL SCIENCE

PROFESSOR MACKINNEY

9. COMPARATIVE GOVERNMENTS. Fall term. T., W., Th., F., 8:45. For sophomores. Credit, 4 hrs. By lectures and library reading on the principal European governments, the principles and theories of government are presented. A special study and term paper thereon is required of each student.

2. AMERICAN NATIONAL GOVERNMENT. Winter term. T., W., Th., F., 8:45. Prerequisite, Political Science 9. Credit, 4 hrs. Text: American Government—Beard. The development, present workings, faults and reforms of our national and state governments are studied by class discussion, lectures and library readings, with the preparation of individual papers.

7. AMERICAN LOCAL GOVERNMENT. Spring term. T., W., Th., F., 8:45. Prerequisite, Political Science 2. Credit, 4 hrs. Text: Government of American Cities.—Munro. This course supplements course 2, and is carried out similarly. Special emphasis is placed on individual study of some one state or city government.

## SOCIAL SCIENCE

PROFESSOR WEYAND

Nine courses constitute a major and six a minor.

31. INTRODUCTION TO SOCIOLOGY. Fall term. T., W., Th., F., at 9:40. For sophomores. Credit, 4 hrs. Text: Outlines of Sociology—Blackmar and Gillin. A study will be made of the origin, development and structure of society; its ways of functioning in the past and present tendencies.

4. SOCIAL PSYCHOLOGY. Winter term. T., W., Th., F., at 9:40. For sophomores. Credit, 4 hours. The relation of the instincts to human behavior; the place of attention and suggestion in life, and the influence of the mob and the public will be considered.

32. SOCIAL PATHOLOGY. Spring term. T., W., Th., F., at 9:40. Prerequisites, courses 31 and 4. A study will be made of the diseases of society, their causes, preventives and the proposed remedies.

37. INTRODUCTION TO ECONOMICS. Fall term. T., W., Th., F., at 7:50. For

sophomores. Credit, 4 hrs. Text to be selected. The purpose of this course is to acquaint the student with industrial society in its relation to competition, production, distribution, consumption, exchange, and other economic processes.

38. LABOR PROBLEMS. Winter term. T., W., Th., F., at 7:50. Prerequisite, course 37. Credit, 4 hrs. A study of the development of a "working class"; the philosophy of individualism and Laissez Faire; growth of machine production, combinations of capital and labor; relation of labor to law and government.

39. SOCIALISM. Spring term. T., W., Th., F., at 7:50. Prerequisites, courses, 37 and 38. Credit, 4 hrs. History, philosophy and platforms of the party; extra-party socialistic views and loyalties. Influence of the movement on politics and government.

34. THE FAMILY. Fall term. M., T., W., Th., at 1:15. Prerequisites, courses 31 and 4. Credit, 4 hrs. A genetic study will be made of the family. Attention will be given to the effect of modern conditions and movements upon the institution.

35a. RACE PSYCHOLOGY. Winter term. M., T., W., Th., at 1:15. Prerequisites, courses 31 and 4. Credit, 4 hrs. A study of the ethnological, physiological, and psychological racial differences, of the concepts, isolation, assimilation, amalgamation, nationality, race-pride and race-prejudice.

9. CHRISTIANITY AS A SOCIAL FORCE AND METHOD OF CONTROL. Spring term. M., T., W., Th., at 1:15. Prerequisite, one course in social science. Credit, 4 hrs. An evaluation of Christianity as a progressive force in the present world; its influence in the control of men and institutions.

Where no text is stated none will be used, but an extensive use will be made of reference work.

## SPANISH

MR. VALDES AND MR.-----

The following six courses in Spanish form a minor.

1—2. ELEMENTARY SPANISH. Fall and winter terms. M., T., W., Th., at 1:15 and at 9:40. Credit, 4 hrs. each. Grammar composition and conversation. Text: Elementos de Espanol—Lacalle.

3. COMPOSITION. Spring term. M., T., W., Th., at 1:15. Prerequisite, 2. Credit, 4 hrs. Conversation and composition. Class conducted entirely in Spanish. Texts: Elementos de Espanol—Lacalle; Spoken Spanish—Broomhall.

4—5—6. SECOND YEAR SPANISH. Fall, winter, and spring terms. T., W., Th., F., at 10:35. Prerequisite, 3. Credit, 4 hrs. each. Review of grammar with abundant practice in composition in connection with the reading of Spanish texts. The last term is devoted especially to the reading and interpretation of modern Spanish literature with some composition. Texts: Elementos—Lacalle

or Spanish Grammar—Gordon, Spanish Prose Book—Wilkins, Flores de Espana, Spanish Composition and Conversation—Espinosa, Part II, La Hermana San Sulpicio, La Barraca, Dona Perfecta, Electra, La Vida es Sueno.

## STUDENT ACTIVITIES

Y. M. C. A.—A Young Men's Christian Association is supported by the students and is a very important factor in the college life.

THE JUDSON-PECK SOCIETY is an organization of the Faculty and students for doing mission work in connection with the Baptist churches of Kansas City and vicinity and to assist ministerial students in the solution of their individual problems.

THE COOPERATIVE ASSOCIATION enables students to procure school supplies at low prices.

PUBLICATIONS—The William Jewell Student is published weekly by the student body. The Tatler is published annually by the Junior Class.

MUSICAL ORGANIZATIONS—A band, glee club, orchestra and quartet are organized each year.

THE KHEM CLUB is an organization of advanced students in chemistry.

LITERARY SOCIETIES—The Philomathic and Excelsior literary societies meet each week for debate and oratory. Five intercollegiate debates were held during the year 1920-21. These societies are open to all college students.

THE KEATS CLUB is an organization for the study and discussion of literature.

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THE ALUMNI ASSOCIATION

Headquarters: Liberty, Missouri

President: FRANK E. ATWOOD, Carrollton, Mo.

Secretary: J. E. DAVIS, Liberty, Mo.

Local associations are sustained in St. Louis, Kansas City, St. Joseph and Chicago.

The future success of William Jewell College depends largely upon the efforts of the Alumni Association.

It is the desire of the trustees and faculty of William Jewell to secure a still closer co-operation of the alumni with the direct interests of the College. The alumni are urged to keep themselves informed as to the ideals, the policies, and the needs of their Alma Mater, and to see that the institution is conducted on the highest plane of efficiency and economy, both as to administration and teaching.

Arrangements have been made whereby a committee consisting of members of the alumni, faculty and trustees is to meet at least once a year to discuss college problems.

DEGREES CONFERRED JUNE 16, 1920

BACHELOR OF ARTS

Adams, James Edward, Lee's Summit.	Harris, James Martin, Fulton.
Allen, D. Earl, Liberty.	Higgins, Oscar, Monett.
Barnes, Gerald Benton, Paris Cross- ing, Indiana.	Humphrey, Martin Clifford, Maywood.
Beall, Vivian Bruce, Oxford, Nebraska.	Keetch, George Arthur, Liberty.
Bell, Ward Horton, Kiowa, Oklahoma.	King, Carson Benton, Liberty.
Beswick, George Robert, Liberty.	Kresse, Arthur O., Liberty.
Boado, Donato B., Agoo, Philippine Islands.	Kresse, Mrs. Arthur O., Liberty.
Botts, Henry Walker, Grand View.	Maruyama, Toyoki, Kumamoto, Japan.
Brame, Isaiah Jefferson, Van Buren.	Meredith, Wendell Tilton, Carthage.
Brewster, Hiram Leonard, Portland Oregon.	Miles, Chester Arthur, Shelby.
Clark, Julian Ray, Richmond.	Noel, Walter Hunt, Lentner.
Collins, Walker Francis, Triplett.	Rubottom, Ira Monroe, Greenville.
Creek, Everett Gill, Liberty.	Scarborough, Homer Cuthbert, Platts- mouth, Nebraska.
Cross, Russell Silas, Gilliam.	Smith, Charles Williard, Liberty.
Eubank, Carr Neal, Chicago, Illinois.	Smith, Troy McGee, Holt.
Evans, Opal Kossuth, Farmington.	Swinney, Everette Lee, Clarence.
Ewing, Earl Granville, Sawtelle, California.	Swinney, John J., Liberty.
Ferguson, Otto, Oronogo.	White, George Howard, Lead, S. Dakota.
Gulley, Milton Gordon, Fayetteville, Arkansas.	Wilson, Robert Elmer, Liberty.
	Wood, Zachary Taylor, Tillar, Arkansas.
	Yamagishi, Andrew Koji, Bakurocho, Japan.

STUDENTS OF 1920-1921

SENIOR CLASS

Adkins, Irene Irwin, Liberty.	Love, William Lawrence, Liberty.
*Baldus, Fred, Independence.	Maher, Ada Dell, Liberty.
Cowin, Cleon Clement, East St. Louis, Illinois.	Martin, Drexel Harland, Philadelphia.
Craghead, Carl Faubion, Liberty.	Meador, John William, Liberty.
*Dillingham, George S., Warrensburg.	*Nabors, James Thomas, Liberty.
Eby, Herbert, Holt.	Newman, Irvin Miller, Edgerton.
Edmonds, Virgil Vespasian, Miami.	Pollard, Cash Blair, Hannibal.
Fisher, Charles Orin, Wellsville, Kans.	*Porter, Roy Wilford, Liberty.
Gittinger, Jesse Norman, Liberty.	Ragar, Earl Leon, Philadelphia.
Gwatkin, William Emmett, Jr., Macon.	Ramsbottom, Ray, Breckenridge.
Hardin, James Roy, Dalton, Nebraska.	Rothwell, Roscoe Lawson, Liberty.
Hessel, Victor Elias, Holt.	*Rousseau, Georges Jean, Le Guilly, Finistere, France.
Johnson, George Summers, Monticello.	Stannard, Ely Martin, Purdin.

Takahashi, Sekiharu, Chicago.  
 \*Ward, Raleigh Arthur, Poplar Bluff.

Warren, Henry Llewellyn, Palestine,  
 Texas.  
 \*White, Fred, Liberty.

### JUNIOR CLASS

\*Appleby, David Percy, Springfield.  
 Barksdale, Edward Hamilton, Slater.  
 \*Boyd, Charles Cecil, Springfield.  
 Brown, Charles Edward, Kansas City.  
 Butts, George Colby, Chillicothe.  
 \*Byler, Robert Harris, Prairie Home.  
 \*Clause, Harry Paul, Akron, Ohio.  
 Conway, Lucile Lee, Liberty.  
 \*Davis, George Booker, Lincoln.  
 Dow, John Renau, Liberty.  
 Fardon, Edgar Howard, Kansas City.  
 Fariss, Charles Delbert, Terre Haute,  
 Indiana.  
 Guemple, Frank, Kansas City.  
 Gwyn, Thomas Jackson, Kennett.  
 \*Hampton, Clyde Elbert, Bates City.  
 \*Hargrave, Charles Calvin, Liberty.  
 \*Hayes, Ora Dorothy, Liberty.  
 House, Louis A., Liberty.  
 Jeter, Norman Lycurgis, Slater.  
 Jones, Oliver Parry, Lee's Summit.  
 Joyce, Basil Eli, Kansas City.  
 \*Judson, Russell Fairfax, Liberty.  
 Lamkin, Mary Binks, Liberty.  
 McComas, Milburn Pembroke, Edgerton.

\*McPike, Marion Jefferson, Palmyra.  
 \*Manwarring, Edward Henry, Liberty.  
 Miller, Roger Stone, Chillicothe.  
 Morris, Frank Holland, Liberty.  
 Morrow, Raymond Withers, Liberty.  
 Moss, Thelma Marie, Liberty.  
 \*Noyes, Herman Lloyd, Marlboro, Mass.  
 \*Parks, Hugh Augustus, Liberty.  
 \*Robbins, Leslie Frank, Arvada, Colo-  
 rado.  
 \*Settle, Raymond W., Liberty.  
 \*Smith, J. Bert, Liberty.  
 \*Smith, Ralph M. G., Liberty.  
 \*Smith, Romans, Richmond.  
 Smith, Mrs. Ruth Stark, Richmond.  
 \*Smith, Stanley Eugene, Liberty.  
 \*Snethen, Robert Emerson, Liberty.  
 Todd, John Broadus, Tulsa, Oklahoma.  
 \*Urquhart, Albert Webster, Liberty.  
 \*Whitesell, Faris Daniel, W. Terre  
 Haute, Indiana.  
 \*Wilcox, David B., Linneus.  
 Wright, Arthur Pruitt, Pawhuska, Okla-  
 homa.

### SOPHOMORE CLASS

Allen, Thomas Buford, Jr., St. Joseph.  
 Andrews, Ernest Galen, Liberty  
 Arvin, William Broadus, St. Louis.  
 Ausman, George A., Cainsville.  
 Bagby, Walter James, New Haven.  
 Barton, George Cecil, Liberty.  
 Biggerstaff, Stewart Gregg, Liberty.  
 \*Billingsley, Edna Leona, Savannah.  
 Billingsley, Wendell Lloyd, Savannah.

\*Brand, Mrs. Eva Darlene, Liberty.  
 \*Burke, Raleigh Ray, Liberty.  
 Campbell, Edna Margaret, Liberty.  
 Cole, Anson Dean, St. Joseph.  
 Cone, William Henry, Campbell.  
 \*Conway, Edward Mack, Liberty.  
 Copeland, Lloyd L., Ellington.  
 Cuthbertson, Essie Olebia, Liberty.  
 Davis, Ennis Day, Brashear.

\*Davis, John Albert, E. St. Louis, Illinois.

Dawson, Wallace McKee, Gregory.

Day, Donald Vern, Dearborn.

Eby, Donald J., Holt.

Farrar, Samuel Fred, Jr., Braymer.

Ferris, Ross Dudley, Mexico.

Field, Dan Trimble, Liberty.

Finney, Maurice Aurelius, Midland, Arkansas.

\*Franklin, John Shade, Hamburg, Iowa.

Funkhouser, Robert George, Liberty.

Gilmer, Louise Bell, Liberty.

Gore, Granville D., Independence.

Graves, John Lafayette, Jefferson City.

Haley, Jesse Robert, Brookfield.

Halley, Harry Suddarth, Camden Point.

Hamacher, Milton Scholl, Richmond.

Hancock, Eugene Patton, Higginsville.

Handly, Ray Russell, Higginsville.

Hickman, Dewey Cook, Princeton.

Hirst, Leland Bane, Alliance, Nebraska.

Hon, George Dewey, Hon, Arkansas.

Hoover, Chester Turner, Brookfield.

Isbell, Robert Nevill, Houston, Texas.

\*Jones, Bert Ferris, Garden City.

Jones, Jenner Garnett, St. Joseph.

Julian, Jack J., Slater.

Kennedy, Kirk Randal, Kearney.

\*Kruer, Arthur Charles, St. Louis.

Leedy, Kathleen, Liberty.

Lewellen, Willis Napoleon, Vandalia.

Love, Franklin Hier, Liberty.

McDonald, William Ernest, Brunswick.

\*McKinney, Glen Lynn, Fremont, Iowa.

Manlove, John Allen, Brookfield.

Marshall, Thomas Edward, Ada, Oklahoma.

\*Maupin, James Clifton, Clarence.

Meador, Rosemary, Liberty.

\*Morgan, William Lucian, Independence.

\*Morris, Jesse Floyd, New Bloomfield.

Mosby, Helen, Liberty.

\*Mulvania, Mitchell Delbert, Phelps City.

\*Myers, James Earl, Utica.

Newman, Harris Reynolds, Excelsior Springs.

\*Pitney, Walter Coleman, Yates.

Reed, Madeline Eula, Liberty.

Reed, Marjorie, Liberty.

\*Rice, Herman Chester, St. Louis.

Rice, Marshall William, Southwest City.

Robertson, Walter Marvin, Laredo.

Rolston, Joe Shelby, Burlington, Kansas.

\*Royse, William Oliver, Adrian.

Sellers, Paul Virgil, Lewistown.

Sevier, Hazel Madeline, Liberty.

Shoemaker, Raymond A., Independence.

Shrewsbury, Charles Leslie, Kansas City.

\*Storer, Charles Russell, Mercer.

Swinney, Matthew Lee, Liberty.

Tapp, Kathryn, Chandler.

Thomason, Clarence Hubert, Liberty.

Thomason, Vivian Clair, Liberty.

Trimble, Grace, Liberty.

\*Valdes, Julio, Madrid, Spain.

\*Webb, William Ward, Ozark.

Wells, Harry Hubert, Marble Hill.

White, Maurice A., Kansas City.

Wilson, Byron Sanders, Southwest City.

Wood, C. C., Kansas City.

Wood, Stanley Hammack, Tillar, Arkansas.

## FRESHMAN CLASS

Akutsu, Kiyoshi, Los Angeles, California.

\*Barbee, Claras Folsom, Laclede.

Bennett, John William, St. Joseph.



Bennett, Basil Richardson, Forest City.  
Birkhead, Joseph Bailey, El Dorado Springs.

\*Bittiker, Charles Virgil, Liberty.

Blocher, John Ervin, Plattsburg.

Bradfield, Mabel Ruth, Liberty.

Browning, Harry George, Vernona.

Bywaters, Albert Victor, Camden Point.

Bywaters, David William, Camden Point.

Caldwell, Verona Rex, Vandalia.

Canaday, Emmett John, Carrollton.

\*Cloonan, Clifford Brokaw, St. Joseph.

Clutter, Ethel Nancy, Liberty.

Cogswell, John Eldredge, Independence.

Cone, David Albert, Hemple.

Conway, Clarence Edwin, Liberty.

Davis, Charles Blevins, Independence.

Dawson, Hugh Edward, Liberty.

Dow, Ernestine, Liberty.

Dunn, Roy L., Chillicothe.

Eads, Elton Chalmer, Hamilton.

Edwards, Rider Clark, Liberty.

Evans, Dorothy, Kearney.

Evans, John Virgil, Siloam Springs, Arkansas.

Evans, Nannie Belle, Liberty.

Gill, Lelia Kathryn, Liberty.

Graves, Carolyn Frances, Kansas City.

\*Hamrick, Earl Jasper, Hillsboro.

Harris, Isaac Allen, Newbern, Tenn.

\*Harvey, Theodore Vespasian Lee, Monett.

Hawkins, Dean Scott, St. Joseph.

Hill, William Dorsey, Norborne.

Higgins, Ora E. Monett.

\*Holland, Ireneus Cantinho, Rio de Janeiro, Brazil.

Hoo, Angkai, Hunshan, Hunan, China.

Howard, Harry Nickolas, Excelsior Springs.

Hunt, Arthur Bradford, Orrick.

Hurt, Dan J., Excelsior Springs.

Jaudon, Thomas Boyd, Kansas City.

Jennings, Charles A., Kearney.

Johnson, Phillip Fenton, Galesburg, Illinois.

Joyce, Arch Creed, Kansas City.

Juden, Edward Virgil, Caruthersville.

King, Charles Arthur, Liberty.

Kunz, Adolph H., Leavenworth, Kansas.

\*Lewellen, Russell Roscoe, De Witt.

Loggins, George Ethelred, West Columbia, Texas.

Lott, Edwin Harrison, Liberty.

Love, James Everett, Richmond.

\*Luedecke, Frederick Christopher, St. Louis.

McAdoo, Lyle Anderson, Hamilton.

McCommas, James Clyde, Holt.

\*McIntire, Carl Alfred, Kansas City.

McKim, Floyd, Morrill, Kansas.

Major, Eleanor Huppert, Kearney.

Mathews, Rex D., Kearney.

Miller, Robert Henry, Bloomfield.

\*Moran, Lee John, Liberty.

Moser, Karl Jones, Dawn.

Neuenschwander, Harry Lester, Garden City.

\*Paine, Walter Guy, Rich Hill.

Parvin, Julian Aldean, Avondale.

Potter, Carlton Richard, Malta Bend.

Putnam, Thomas Rogers, East Kansas City.

\*Randall, Ulysses Samuel, Liberty.

Rethwisch, Henry Christian, Poplar Bluff.

Rogers, Herbert Preston, Lathrop.

Rooney, James S., Liberty.

Schader, William Herman, Pleasant Hill.

\*Schuman, Verne Brinson, Rolla.

Simon, Kenneth Carl, Kansas City.

\*Smith, John D., Liberty.

Sodeman, Charles Tolson, Liberty.

Street, James Alvin, Ozark.

Street, John Darnell, Linden.  
 Swink, William Arthur, Farmington.  
 Tarrants, Joseph Eugene, Liberty.  
 Tshia, Charles Pang, Kwangtung,  
     China.  
 Walker, Ruth A., Liberty.  
 Welsh, Helen Leslie, Liberty.

\*Westover, Walter Bratten, Brownell,  
     Kansas.  
 White, Harold Ferdinand, Chillicothe.  
 Wight, Howard Williard, Las Animas,  
     Colorado.  
 Young, Albert Yon, Kwangtung, China.

## SUMMARY OF COLLEGE STUDENTS

Seniors .....	30	Freshmen .....	86
Juniors .....	45	Total .....	247
Sophomores .....	86		

## RESIDENCES OF COLLEGE STUDENTS

Arkansas .....	5	Massachusetts .....	1
Brazil .....	1	Missouri .....	210
California .....	1	Nebraska .....	2
China .....	3	Ohio .....	1
Colorado .....	2	Oklahoma .....	3
France .....	1	Spain .....	1
Illinois .....	4	Tennessee .....	1
Indiana .....	2	Texas .....	3
Iowa .....	2		
Kansas .....	4		

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