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UBCHEA ARCHIVES
COLLEGE FILES
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Yenching
Academic
Department of Leather
Manufacture / Tanning
1923, 1925
Department of Music n.d.

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**Peking University
Bulletin**

No. 16.

**Announcement of the Department
of Leather Manufacture**

Supplement
Pre-Engineering Courses
1923 - 1924



Address Communications to

HOWELL S. VINCENT

Peking University Leather Department

1 Shen Lu Chieh

East City

Peking.

0613

UNIVERSITY CALENDER

1923

Christmas Recess ends...	8 a.m. January 2, 1923.
Midyear Examinations	January 18 to 26, 1923.
First Semester Closes	6 p.m. January 26, 1923.
Second Semester Opens	January 29, 1923.
Registration	January 29 & 30, 1923.
Class Work Begins	January 31, 1923.
Class Day...	January 27, 1923.
Baccalaureate Sunday	January 28, 1923.
Commencement	January 29, 1923.
Chinese New Year's Recess	{ 6 p.m. February 14, to 8 a.m. February 26, 1923.
Spring Recess	{ 6 p.m. April 4, to 8 a.m. April 9, 1923.
Entrance Examinations	May 30 to June 2, 1923.
Final Examinations	June 8 to 15, 1923.
Baccalaureate Sunday...	June 17, 1923.
Class Day and Commencement	June 18, 1923.
Second Semester Closes	8 a.m. June 19, 1923.
Last Day for Returning Application Blanks	August 29, 1923.
Entrance Examinations	August 31, September 1, 3 & 4, 1923.
Dormitories Open to Receive Students	September 10, 1923.
First Semester Opens	September 13, 1923.
Registration	September 13, 14, 15 & 17, 1923.
Class Work Begins	September 18, 1923.
Mid-Autumn Festival (a holiday)...	September 25, 1923.
Last Day for Changing Courses	September 29, 1923.
Confucius' Birthday (a holiday)	October 7, 1923.
National Holiday (a holiday)...	October 10, 1923.

FEES

Tuition Leather Course	\$100. a Year
Board	40. a Year
Room, light and heat	10. a Year
Incidental fee	2. a Year
Laboratory Fee Chemistry	4. a Year
Laboratory Fee Organic Chemistry	6. a Year
Breakage Fee (To be refunded if there are no bills for breakage)	2. a Year
Medical fee (1st. semester only)...	1. a Year
Athletic fee (1st. semester only)...	1. a Year
Working Uniform prescribed (Leather Dept.)	6. a Year
<i>Note.</i> —Tuition for Pre-Engineering Course	50. a Year
Fine for late registration 50 cents	day for first two weeks.

DEPARTMENT OF LEATHER MANUFACTURE

In 1918 China exported raw hides to the value of twenty-four million dollars, and imported fifteen million dollars worth of leather. There are but few modern tanneries in China and these are relatively small. Such facts constitute a challenge to the students of China, and Peking University aims to provide the means whereby they may grasp the economic problems and opportunities of their country. Leather manufacture, being a basic industry, is being undertaken first, but if this effort is welcomed and supported by the Chinese, other branches of manufacturing arts will be offered under Engineering Courses.

The course in Leather Manufacture is an integral part of the University's work, in close coöperation with the Departments of Chemistry, Physics, Biology, and Economics in the College of Arts and Sciences.

In order that the student may become proficient in the various processes of the art of tanning, three hours each week for five years or equivalent must be spent in the technical laboratory, which is being provided with a complete equipment of modern leather working machinery from America, and is stocked with the necessary chemicals and dyes, and the latest improved tanning compounds. Summer shop work is also required.

For the staff of the Department of Leather Manufacture, Peking University has secured practical tanners, college graduates with experience in teaching the art of tanning. An American firm which stands foremost in the production of leather tanning compounds, and whose Service Men are of international reputation, will send its Service Men to China from time to time to render expert aid to the Department of Leather Manufacture of Peking University, and to its students and graduates who may be operating tanneries.

Not more than twenty-five students will be admitted to this Department of Leather Manufacture in 1923-1924. To enter, a student must first be enrolled as a student of Peking University.

The tuition in this department for 1923-1924 is \$100 a year, exclusive of Board etc. (The rate of tuition may be increased for students entering after 1923).

A student who has completed the course of Leather Manufacture should be able to take charge of a modern tannery as managing operator, or he should be able to successfully engineer any department of a tannery.

The following indicated course constitutes the work for students of leather in Peking University and leads to the degree of Bachelor of Science.

Note:—Apprentice Course. Not more than five apprentice students will be received by the department of Leather. These will take an intensive course in tanning, giving their whole time to shop work for not more than one year. These apprentices shall pay \$150, tuition and shall for the first six months of their course furnish their own room and board. Thereafter the department will meet these expenses for the apprentice if he proves worthy to continue the course.

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FIRST YEAR (*Sub-Freshman*)

	Lectures	Practicum	Semester Credits
Leather Technical reading 1-2 ...	2		2 — 2
Leather Shop Work 3-4 ...		3	1 — 1
English 1-2 ...	6		6 — 6
Physics 3-4 ...	2	4	4 — 4
Mathematics 3-4 ...	2		2 — 2
Religion 1-2 ...	4		4 — 4
TOTAL			19 — 19

SECOND YEAR (*Freshman*)

	Lectures	Practicum	Semester Credits
Leather 5-6 ...	2		2 — 2
Leather Shop Work 7-8 ...		3	1 — 1
English 7-8 ...	4		4 — 4
Biology 1-2 ...	3	3	4 — 4
Psychology 1-2 J or History ...	2		2 — 2
Chemistry 3-4 ...	2	6	4 — 4
Mathematics 3-4 ...	4		4 — 4
TOTAL			21 — 21

THIRD YEAR (*Sophomore*)

	Lectures	Practicum	Semester Credits
Leather 9-10 ...	2		2 — 2
Leather Shop Work 11-12 ...		3	1 — 1
English 9-10 ...	4		4 — 4
Chemistry 5, 8a ...	2	6	4 — 4
Mechanical Drawing 1-2 ...		4	2 — 2
Physics 5-6 ...	2	6	4 — 4
Inspection Trips ...			1 — 1
TOTAL			18 — 18

FOURTH YEAR (*Junior*)

	Lectures	Practicum	Semester Credits
Leather 13-14 ...	2		2 — 2
Leather Shop Work 15-16 ...		3	1 — 1
Social Science ...	2		2 — 2
Histology ...		6	2 — 2
Economics ...	2		2 — 2
Organic Chemistry 9-10 ...	2	6	4 — 4
Economics ...	2		2 — 2
TOTAL			15 — 15

FIFTH YEAR (*Senior*)

	Lectures	Practicum	Semester Credits
Leather 17-18 ...	2		2 — 2
Leather Shop Work 19-20 ...		3	1 — 1
Leather Chemistry 15-16 ...	2	6	4 — 4
Leather Bacteriology ...	1	6	3 — 3
Bookkeeping & Accounting ...	1		1 — 1
Physical Chemistry ...	3	3	4 — 4
Inspection Trips ...			1 — 1
TOTAL			16 — 16

OUTLINE OF COURSES OF INSTRUCTION

GENERAL

Instruction and practice in practical tanning are begun in the Sub-Freshman year and continued throughout the five years of the course. In this way it is hoped to give the student a mastery of the technique of leather manufacture and an appreciation of the importance of the mechanical operations involved.

Instruction in Chemistry is also carried through-out the entire course. The first three years are devoted to a thorough grounding in the fundamental principles of General and Analytical Chemistry. The last two years include professional courses.

Chemistry 10 deals with colloids; the chemistry of skin; oils, fats, and waxes; dyes; and tannins. Chemistry 15-16 is a course in Technical Analysis taking up in detail the analysis of the raw materials and finished products of the tannery. The work is closely correlated to the operations of the local tannery thus giving the student an introduction to the problem of chemical control. The course in Physical Chemistry gives a firmer grasp of fundamental principles and power to apply them to new problems. In this course considerable out-side reading of technical journals is required, thus familiarizing the student with technical literature and enabling him to keep in touch with new developments after his graduation.

Considerable work is also done in the department of Biology. The student becomes familiar with the physical structure of the skin and is given some understanding of the principal ferments, antiseptics, and microorganisms of importance in the leather industry. The course in Leather Histology and Leather Bacteriology visualize to the student some of the agents and effects of the intricate biochemical problems of tanning leather.

Leather Histology:—In the first semester of the Junior year a general course in cell structure and Technic is given. This is followed in the second semester by the study of the histological changes of skin cells in the various stages of tanning.

Leather Bacteriology:—In the first semester the rudiments of general Bacteriology are taught including the preparation of media, incubation and preparation of pure cultures. In the second semester the helpful and hurtful bacteria of leather manufacture are sought for and practical methods employed to control bacterial reactions.

The courses of instructions in the theory and practices of tanning will be substantially as follows:—

Leather 1-2. Technical reading. This course gives the student a command of the most important technical terms, both English and Chinese, that are used in connection with Leather Manufacture. An outline of the single bath, chrome tannage process is included.

Leather 3-4. Practice in the reduction of hides known as Beamhouse work. The student learns through the practice of manual technic to soak, lime, unhair, shave, bate and pickle hides, thus reducing them to their lowest condition ready to be tanned.

Leather 5-6. A primary study of the selection of hides, skins and materials a more complete study of chrome tannage is made followed by an intensive study of the methods used in finishing chrome leather.

Leather 7-8. Practice in the finishing of chrome leather is given in the tannery.

Leather 9-10. A detailed study of the methods used in softening and cleansing hides and skins, followed by an intensive study of fermentation, depilation and delimiting.

Leather 11-12. Resumes the technic taught in Leather 3-4 with the intensive study of the chemical and bacterial reactions that make the reduction of hides so difficult to control.

Leather 13-14. (a). Delimiting, bating, puering and drenching. (b). Pickling and depickling. (c). Dyeing and lubrication. This course coincides with work in the Chemistry Department taking up in a descriptive way the chemistry of skins, oils, fats, waxes, and vegetable tannages.

Leather 15-16. Experimental application of Leather 13-14 and Chemistry 9-10. Experimental work with vegetable tannages. Finishing of vegetable tanned leather.

Leather 17-18. A review of depilation, pickling delimiting, and selection of hides. A brief study of combination tannage. Waste products and their disposal. Chemical control.

Leather 19-20. Experimental work with combination tannage. Thesis.

SUPPLEMENT PRE-ENGINEERING COURSES

Through the courtesy of certain local business firms the University has secured the services of three graduate foreign engineers, with a staff of trained Chinese Assistants, and beginning with 1922-1923 is offering a pre-engineering course for students who wish to prepare for chemical, electrical, or mechanical engineering. This coincides with the freshman and sophomore years of the University, and is designed to meet the needs of students wishing to enter practical engineering courses in China or abroad.

In addition to this, the University is conducting this year an advanced engineering course for apprenticed, graduate engineers, to a limited number of qualified students.

PRE-ENGINEERING COURSES. SUB-FRESHMAN YEAR

	Lectures	Practicum	Credits
English 1-2	6		6-6
Chinese	2		2-2
Chemistry 3-4	2	6	4-4
Physics 5-6	3	3	4-4
Mathematics	4		4-4
Mechanical Drawing 1-2		4	2-2
Inspection Trips		3	1-1

FRESHMAN YEAR

English 7-8	4		4-4
Chemistry 5-8a... ..	2	6	4-4
Religion 1-2 J... ..	2		2-2
Mathematics 3-4	2		2-2
Shop Work 1-2		8	4-4
Mechanical Drawing 3-4		4	2-2
Inspection Trips		3	1-1

Mechanical Drawing 1-2.

Engineering drawing ; vector addition ; descriptive geometry ; shear and moment diagrams ; isometric projections.

Mechanical Drawing 3-4.

Engineering drawing ; perspective ; machine drawing ; masonry and steel construction drawing ; free hand sketching of machine parts and a study of drafting conventions.

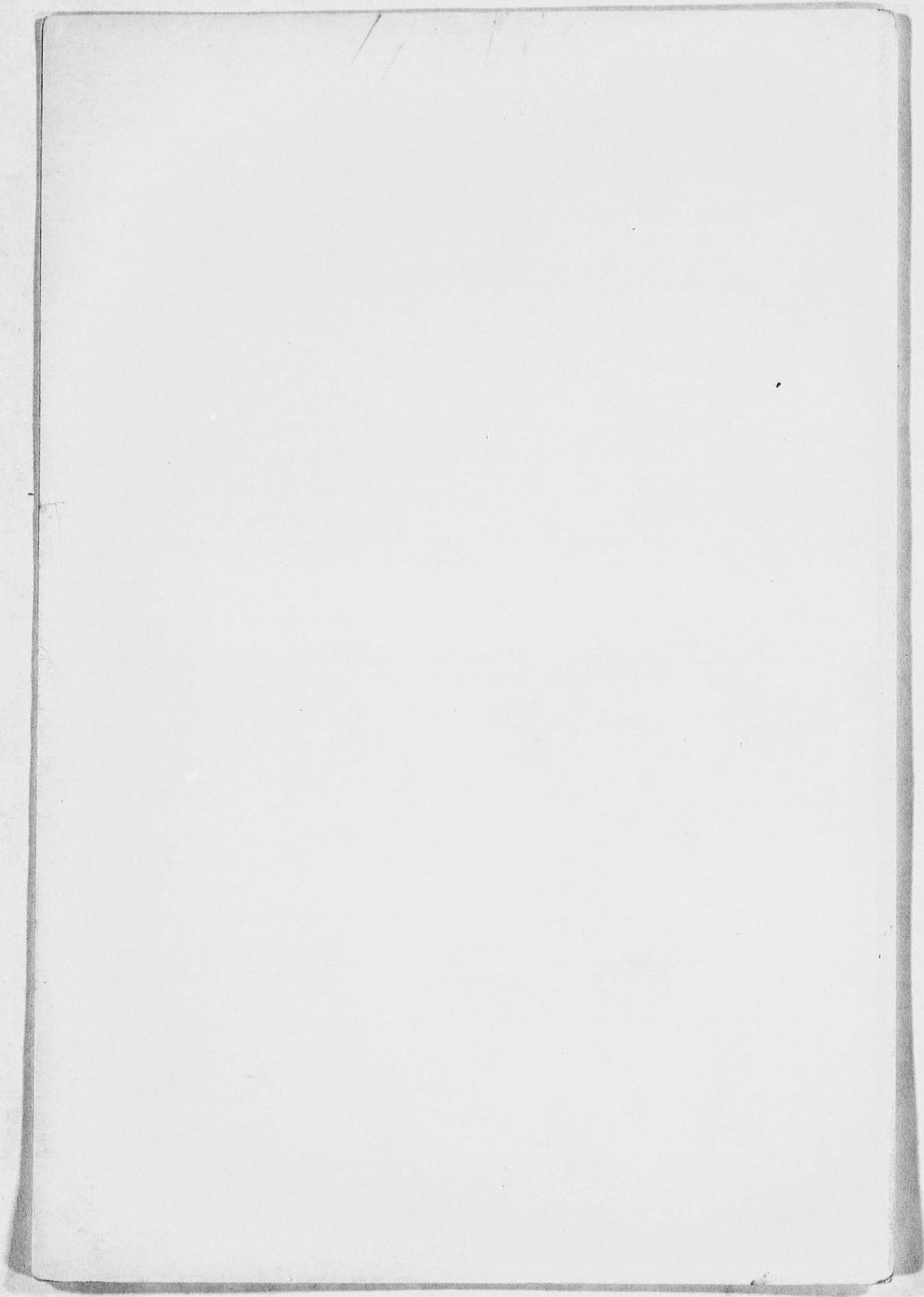
Shop Work 1-2.

(a) Foundry and forge. Drawing, bending, welding, tool making, hardening and tempering. Effects of heat treatment. Moulding.

(b) Use of machine tools.

NOTE:—Other courses are described in the regular University catalogue.

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YENCHING UNIVERSITY

(Incorporated in 1889 as Peking University)

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BULLETIN

Colleges of Arts and Sciences

Department of Leather Tanning

1925-26



Volume VII—Number 16

Peking, China

July 1925

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Yenching University Bulletins

The regular Bulletins of the University are issued at stated times during the year. Other special Bulletins are issued from time to time as the need arises. All applications for Bulletins should be made to the Registrar's Office of the College or School concerned. In applying kindly state the Volume and Number of the Bulletin desired, and whether the Chinese, or English edition is wanted. It is to be noted that most Bulletins are prospective in that they refer to the following year. The Bulletins issued during the course of a year are given a Volume number. Bulletins issued during the year 1924-25 are given the Volume Number VII, which indicates the seventh year of the University since its reorganization was completed in 1918-19.

Yenching University		
General Catalogue.....	Number 10	Out of print
School of Religion		
Announcement of Courses	Number 12	Free
Colleges of Arts and Sciences		
Bulletin of Information	Number 15	Free
College of Arts and Sciences for Women		
Special Bulletin.....	Number 20	Free
Colleges of Arts and Sciences		
Announcement of Courses	Number 21	Twelve cents
Yenching University		
Directory of Faculty and Students	Number 25	Twelve cents
College of Arts and Sciences for Men		
Guidebook for Students	Number 30	Twelve cents

Special Departmental Bulletins will be supplied by the Registrar upon receipt of postage.

Address Communications for DEPARTMENT OF LEATHER, TANNING

to
Dr. Howell S. Vincent
Yenching University
Peking.

ACADEMIC CALENDER

(Abridged)

1925-26

Last Day for Returning Application Blanks	August 27, 1925
Entrance Examinations..	August 29-31, September 1 & 2, 1925
Dormitories Open to Receive Students	August 31, 1925
Postponed Examinations	September 7 - 12, 1925
Requirement Exemption Test and Condition Removal Exams ..	September 14, 1925
Registration	September 15, 16, 17, 18, 1925
Faculty Processional Conference	Sept. 18, 19 & 20, 1925
Class Work Begins	1:30, p.m. Sept. 21, 1925
Last Day for Changing Courses	September 28, 1925
National Holiday (a holiday)	October 10, 1925
Last Day for Changing Courses with fine..	October 20, 1925
Confucius' Birthday (a holiday)	October 22, 1925
Christmas Recess	6:00 p.m. Dec. 24, 1924 to 1:30 p.m. Dec. 28, 1925
Fall Semester Examinations	January, 13-23, 1926

FEEES

Tuition Leather Course	\$50 a Year
Board	50 a Year
Room, light and heat	10 a Year
Incidental fee..	2 a Year
Laboratory Fee Leather Dept.	16 a Year
Laboratory Fee, Chemistry..	4 a Year
Laboratory Fee, Organic Chemistry..	6 a Year
Breakage Fee (To be refunded if there are no bills for breakage)	2 a Year
Medical fee (1st Semester only)..	1 a Year
Athletic fee (1st Semester Only)	1 a Year
Working Uniform prescribed (Leather Dept.)	6 a Year
Tuition for apprentice students short course	100 a Year

0620

DEPARTMENT OF LEATHER MANUFACTURE

Recently during one year China exported raw hides to the value of twenty-four million dollars, and imported fifteen million dollars worth of leather. There are but few modern tanneries in China and these are relatively small. Such facts constitute a challenge to the students of China, and Yenching University aims to provide the means whereby they may grasp the economic problems and opportunities of their country. Leather manufacture, being a basic industry, is being undertaken first, but if this effort is welcomed and supported by the Chinese, other branches of manufacturing arts will be offered under Engineering Courses.

The course in Leather Manufacture is an integral part of the University's work in close cooperation with the Departments of Chemistry, Physics, Biology, and Economics in the Colleges of Arts and Sciences.

In order that the student may become proficient in the various processes of the art of tanning, six hours each week for two years or equivalent must be spent in the technical laboratory, which is being provided with a complete equipment of modern leather working machinery from America, and is stocked with the necessary chemicals and dyes, and the latest improved tanning compounds. Summer shop work is also required.

For the staff of the Department of Leather Manufacture, Yenching University has secured practical tanners, college graduates with experience in teaching the art of tanning. An American firm which stands foremost in the production of leather tanning compounds and whose Service Men are of international reputation, will send its Service Men to China from time to time to render expert aid to the Department of Leather Manufacture of Yenching University, and to its students and graduates who may be operating tanneries.

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The tuition in this department for 1925-1926 is not in excess of the regular University Tuition.

A student who has completed the course of Leather Manufacture should be able to take charge of a modern tannery as managing operator, or he should be able successfully to engineer any department of a tannery.

The following indicated course constitutes the work for students of leather in Yenching University and leads to the degree of Bachelor of Science,

Note:—Apprentice Course: Not more than ten apprentice students will be received by the Department of Leather. These will take an intensive course in tanning, giving their whole time to shop work for not more than one year. These apprentices shall pay \$100 tuition, and shall for the first six months of their course furnish their own room and board. Thereafter the Department will meet these expenses for the apprentice if he proves worthy to continue the course.

FIRST YEAR (*Freshman*)

	Lectures	Practicum	Semester Credits
Education and Hygiene	1		1 — 1
Psychology 1-2	2		2 — 2
Leather Reading 1-2	1		1 — 1
English 7-8	5		4 — 4
Biology 1-2	2	6	4 — 4
History 3-4	4		4 — 4
Chemistry 3-4	2	6	4 — 4
Elective	1		1 — 1
Total			21 — 21

SECOND YEAR (*Sophomore*)

	Lectures	Practicum	Semester Credits
Leather Reading 3-4	1		1 — 1
English 9-10	5		4 — 4
Chinese 7-8	3		3 — 3
Chinese 9-10	1		1 — 1
Chemistry 5-6	2	6	4 — 4
Physics 3-4	3	3	4 — 4
Elective	1		1 — 1
Total			18 — 18

THIRD YEAR (*Junior*)

	Lectures	Practicum	Semester Credits
Leather Shop Work 5-6		6	2 — 2
Leather Lecture 7-8	1		1 — 1
Chemistry 9 & 14	2	6	4 — 4
Histology (Biology 9-10)	1	6	3 — 3
Chinese 11-12	3		3 — 3
Chinese 13-14	1		1 — 1
Elective	2		2 — 2
Total			16 — 16

FOURTH YEAR (*Senior*)

	Lectures	Practicum	Semester Credits
Leather Shop Work 9-10		6	2 — 2
Leather Lecture 11-12	1		1 — 1
Chemistry 101-102	2	6	4 — 4
Bacteriology (Biology 11-12)	1	6	3 — 3
Elective	6		6 — 6
Total			16 — 16

OUTLINE OF COURSES OF INSTRUCTION

General

Instruction in tanning is begun in the Freshman year and continued throughout the four years of the course. In this way it is hoped to give the student a mastery of the technique of leather manufacture and an appreciation of the importance of the mechanical operations involved.

Instruction in Chemistry is also carried throughout the entire course. The first two years are devoted to a thorough grounding in the fundamental principles of General and Analytical Chemistry. The last two years include professional courses. Chemistry 14 deals with colloids; the chemistry of skin; oils, fats, and waxes; dyes; and tannins. Chemistry 19 is a course in Technical Analysis taking up in detail the analysis of the raw materials and finished products of the tannery. The work is closely correlated to the operations of the local tannery, thus giving the student an introduction to the problem of chemical control.

Considerable work is also done in the department of Biology. The student becomes familiar with the physical structure of the skin and is given some understanding of the principal ferments, antiseptics, and micro-organisms of importance in the leather industry. The course in Leather Histology and Leather Bacteriology visualize to the student some of the agents and effects of the intricate biochemical problems of tanning leather.

- Leather 1-2 Leather Reading Credits 1-1**
 Reading in various reference books in order to become acquainted with the technical terms and general methods of tanning.
 Required: 1 g Mr. Vincent
- Leather 3-4 Leather Reading Credits 1-1**
 Reading in reference books and technical journals.
 Required: 2 g Mr. Chang
- Leather 5-6 Shop Work Credits 2-2**
 Practice in the reduction of hides known as Beamhouse work. The student learns through the practice of manual technic to soak, lime, unhair, shave, baté and pickle hides, thus reducing them to their lowest condition ready to be tanned; chrome tanning and finishing.
 Required: 3 g Mr. Chang
- Leather 7-8 Selection of Hides and Tanning Credits 1-1**
 A primary study of the selection of hides, skins, and materials; a study of chrome tannage is made followed by an intensive study of the methods used in finishing chrome leather.
 Required: 3 g Mr. Sun
- Leather 9-10 Advanced Shop Work Credits 2-2**
 Experimental application of Leather 11-12 and Chemistry 14. Experimental work with vegetable tannages. Finishing of vegetable-tanned leather. Tanning of furs.
 Required: 4 g Mr. Vincent and Mr. Chang
- Leather 11-12 Advanced Study in Leather Credits 1-1**
 a) Delimiting, bating, puering and drenching. b) Pickling and depickling. c) Dyeing and lubrication. This course coincides with work in the Chemistry Department, taking up in a descriptive way the chemistry of skins, oils, fats, waxes, and vegetable tannages; alum tanning.
 Required: 4 g Mr. Vincent and Mr. Chang

理文
第一
科製革系課程

燕京大學

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班次分正班及速成科

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導一切。俾學生知其得失。此誠不可多得之良好機緣。有志斯學者。蓋與平。師來校指。備有工廠器械。以便實驗。且與美國之著名車廠。約定不時派遣精明工師。來校教授。者無不力為提倡。此皮革業之所以建設也。又自西國。講有專門製革教員。扣任教授。溢。無不。力。小。本。學。校。有。鑒。於。此。故。辦。理。之。皮。貨。係。生。料。而。入。之。則。製。貨。也。能。為。國。與。外。廠。之。設。立。者。數。無。以。致。出。口。之。皮。貨。多。扣。守。舊。法。不。知。研。究。良。其。新。製。革。工。革。之。數。自。日。多。一。口。所。用。之。物。如。靴。如。囊。如。袋。如。衣。箱。等。皆。仿。西。式。用。多。然。中。國。人。近。來。年。告。報。口。出。口。之。皮。貨。不。止。數。萬。夫。西。人。現。在。用。革。元。而。入。口。之。熟。皮。價。值。近。年。出。口。報。告。中。國。每。年。出。口。之。皮。貨。值。小。二。千。四。百。萬。元。而。入。口。之。熟。皮。價。

燕京大學理科皮革系簡章

理文

製革系主任溫森德

燕京大學

此外關於課程等函件須寄

男校理科科長處

理文

燕京大學

凡關於入學及轉學通函須寄

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第一級	一年	一年級	講每	次週	數演	點實	數驗	績每	學點	期	數成
選科			一						一	一	一
教育學	衛生		一				六		四	一	一
化學	三四	三四	二				六		四	一	一
歷史	三四	三四	四						四	一	一
生物	一一	一一	二				六		四	一	一
英文	七八	七八	五						四	一	一
製革	讀課	一一	一						一	一	一
心理學	一一	一一	二						二	一	一

別與主任酌量辦法但所用之生料等費皆須學生自備

將各年級課程簡表列下以便檢閱(如學生志願習學皮革大宗製造須特機械之構造設置修理等事更令其格外注意以備卒業後自行設廠之用茲學科其第三級第四級專工皮革之製造及工廠中一切生作而對於廠中課程正班功課共四分四年教授其第一二級專習物理化學等之製革根本

中一切工作

仍歸學生自用 速成科生全年學費一百元一年卒業專門學習製革並非元其試驗所用之皮料亦須自備每節約五十元然製成之皮革售出之價正班生之學費與普通科學生同惟於第三四年級每學期外加試驗費八元 准入學 速成科生可免入學考試
 入學資格 正班學生須自六年制之中學畢業一律經本校入學考試其及格者方學額 於一九二五至一九二六年正班只收學生二十五名 速成科只收十

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第 二 年 級	講 每 次 週	數 演	點 實	驗	績 每	學 期	數 成
選 科	一				一	一	一
物 理	二	二	四	六	四	四	四
化 學	二	二			四	四	四
國 文	一	一			一	一	一
國 文	三	三			三	三	三
英 文	五	五			四	四	四
製 革 讀 課	一	一			一	一	一

六

第 三 年 級	講 每 次 週	數 演	點 實	驗	績 每	學 期	數 成
選 科	二				二	二	二
國 文	一	一			一	一	一
國 文	三	三			三	三	三
組 織 學 Leather Histology	一	一	六	六	三	三	三
化 學	二	二	六	六	四	四	四
製 革 實 習					二	二	二
製 革 演 講	一	一			一	一	一

七

938451E

製革法三——四 選讀各製革課本更進而選讀製革界最近之出版物等等
 製革法一——二 選讀各製革課本以求明了製革方法之大要

鞣皮理論及實習之教程略示於下

授以有益及有害於製革之各種微菌以便節制三車位

製革微菌學 第四學年第一學期授以普通微菌學及微菌之檢查並培養等法

各部工作中皮細胞之組織變化(三車位)

製革組織學 第三學年第一學期授以細胞組織及種別 第二學期授以在製革

化學問題之影響於製革者也

之微生物皆為不可缺之智識而製革組織學與製革微菌學即所以示學生以生物

學亦為製革必要之科學 如皮之構造 發酵 防腐及製革工業有關

以冀得切實應用之利益

中之各種原料及完成品(革)學生得隨時在本系工廠中將所得學識實地試驗

第 四 年 級	講每	次週	數演	點實	數驗	績每	學 點	期	數成
製革	十	一	一				一	一	
演製	十一						二	二	
製革實習	九			六	六		二	二	
化學	一百	二	二	六	六		四	四	
微菌學 Leather Bacteriology	零	一	一	六	六		三	三	
選科		六	六				六	六	

化學為製革之根本科學故本系對於化學課程之排定格外注意第一二年即授以
 即研究膠狀皮之化學 油脂 蠟 染料及丹寧等化學而於製革化學九專修化學分析工廠
 通化學及分析化學俾得本系之化學課程之排定格外注意第一二年即授以

93851E

製革法九—十一(一)植物鞣皮法及植物鞣皮加工法(二)毛皮鞣製法
 製革法十一—十二(一)授以各種除灰法如雞糞除灰法等大糞除灰法鞣液
 除灰化學藥品除灰法並各種人造除灰劑之使用法(二)浸酸及去酸法
 丙(染色及加脂法—明礬鞣皮法
 製革法七—八初授以生皮及各種原料之選擇法繼授以鞣法並鞣革之各種
 加工與整理工程
 製革法五—六(一)鞣皮工程之初步練習如浸洗浸灰去毛削重除灰浸酸諸工程
 二(二)鞣法之實習每週實習六小時
 十

REVISED ACADEMIC CALENDAR

(Note:- On account of the Shanghai incident the final examinations were not held in June. Our students have decided to make up their lost work in September; this necessitates the revision of the Academic Calendar for the fall semester 1925.)

Dormitories open to receive old students August 31

Review and make - up work of the Spring Semester
September 1 - 6

Final examinations of the last Spring Semester
September 7 - 12

Fall Semester
1925-26

Last day for returning Application Blanks...Thursday,
August 27, 1925.
Entrance ExaminationsSaturday to Wednesday, August 29-31.
September 1 and 2
Dormitories open to receive new students...Saturday
September 12
Requirement exemption tests and condition Removal Examinations
Monday, September 14
Registration Tuesday to Friday, September 15, 16, 17, 18.
Standardization tests in English and Intelligence tests
Saturday, September 19
Class work begins 1:30 p. m. Monday, September 21
Last day for changing courses Monday, September 28.
National holidaySaturday, October 10
Last day for changing courses with fine, Tuesday, October 20.
Confucius' Birthday, a Holiday Wednesday, Oct. 14.
Reports on Senior Thesis Requirement due.....Thursday, Oct. 15.

Outlines of Senior Theses due.....Tuesday, December 1

Christmas HolidaysDecember 24 to 1:30 p. m.
Monday, December 28

New Year's Day, a Holiday.....Friday, January 1, 1926.

The date for the fall semester examinations and the closing of
the fall semester will be announced later.

The Calendar for the Spring Semester cannot be announced
definitely until it is known whether or not the University will
be able to move to the new site in the Spring.

0631

3

1

6

4

8

3

9

Yenching

our file

1. WHAT ARE THE MAIN DIFFERENCES BETWEEN CHINESE MUSIC AND WESTERN?

Chinese

Western

Chiefly melodic

Chiefly harmonic and contrapuntal

Chiefly monodic

Chiefly homophonic

Chiefly in one key

Often modulating to other keys

Chiefly in two-pulse rhythm

Balance between two and three pulse

Chiefly pentatonic

Often more than 5 to 7 tones in scales

Use the natural scale

Use the tempered scale

Modal cadences

Leading-tone cadences

Use many ancient instruments

All instruments used are of more recent origin

Emphasis on tone color in instrumental music.

Emphasis on harmonic color

Absolute music rare

Absolute music common

2. WHEN DID THE CHINESE FIRST BEGIN TO SHOW AN INTEREST IN WESTERN MUSIC?

Interest in Western Music has increased ever since the first missionaries of the modern era came to China, say beginning about 1600. Catholic missionaries interested some of the leading folk of China at that time.

3. WHAT WESTERN MUSICAL INSTRUMENTS DO CHINESE STUDENTS SHOW A PREFERENCE FOR?

Piano Organ Violin

4. WHEN WAS THE MUSIC DEPARTMENT STARTED AT YENCHING? 1928

WHAT SUBJECTS ARE TAUGHT? Theory, History, Appreciation, Ear-training, Comparative Music, Conducting, Composition, Analysis, Piano, Voice, Teaching Methods.

LESSONS ARE GIVEN ON WHAT INSTRUMENTS? Piano, reed organ, (Hammond Organ at one time before it was looted--we hope for another one!) Violin (privately), ancient Chinese psaltery (kuch'in)

5. HOW MANY STAFF MEMBERS ARE THERE IN YENCHING'S MUSIC DEPARTMENT? Four

6. HOW MANY STUDENTS ARE MAJORING IN MUSIC? Ten HOW MANY ARE MAKING A COURSE OR TWO OR STUDYING SOME MUSICAL INSTRUMENT? More than two hundred. There are several teachers not formally connected with the department staff who are also teaching our students.

7. WHAT DO YOU CONSIDER TO BE WESTERN MUSIC'S OUTSTANDING CONTRIBUTION TO CHINESE LIFE? Choral music; Scientific and analytical study of Chinese musical culture; a sense of the development of Chinese Music; a keener love of serious European Music.

P.S. We have two weekly phonograph concerts which are attended by from between 80 to 100 people at which time they hear masterpieces of western music. There were 140 people participated in the CHORUS this semester of whom 16 were from Tsinghua (Boxer Indemnity) University nearby.