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## **Finding Aid for the Engineering, Science, and Management War Training (ESMWT). Announcement and brochures. 1942-1944.**

Finding aid prepared by Naomi Chiba, 1996 September; finding aid revised by Katharine A. Lawrie, 2013 January; machine-readable finding aid created by Katharine A. Lawrie, 2013 June.

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**Title:** Engineering, Science, and Management War Training (ESMWT). Announcement and brochures.

**Identifier/Call Number:** University Archives Record Series 587

**Contributing Institution:** UCLA Library Special Collections

**Language of Material:** English

**Physical Description:** 0.4 linear ft.(1 box)

**Date:** 1942-1944

**Abstract:** Record Series 587 contains brochures and course announcements describing specialized defense industry training offered by UCLA during World War II, including approximately 286 course announcements, 79 brochures, and 4 publications created by the Engineering, Science, and Management War Training (ESMWT) program.

**Creator:** Engineering, Science, and Management War Training.

**Access**

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**Preferred Citation**

[Identification of item], Engineering, Science, and Management War Training (ESMWT). Announcement and brochures (University Archives Record Series 587). UCLA Library Special Collections, University Archives.

**Historical Note**

In January 1941, University of California President Robert Gordon Sproul established a University War Council (consisting of faculty members and administrators from most campuses) to survey the resources of the University of California and to reorganize them in anticipation of WWII. Already started at UCLA was a federally-financed program in tool engineering, supervised by Thomas A. Watson, Assistant Professor of Mechanic Arts. In August 1941, the UCLA effort was absorbed into a nationwide program to teach and upgrade production skills.

Established under the aegis of the U.S. Office of Education and administered by University of California University Extension, the program at UCLA was first called "Engineering, Science and Management Defense Training" in 1941. Later in 1942 the name was changed slightly to "Engineering, Science and Management War Training" (ESMWT). Both UCLA and Berkeley Extension programs were administered by the Berkeley campus.

On January 5, 1941, UCLA first offered Engineering, Science and Management Defense Training classes for Southern California defense industry workers. In 1942-43 the classes became available to college students. ESMWT instruction was offered at following centers: UCLA Campus, Burbank, Downey, El Segundo, Huntington Park, Inglewood, Long Beach, and Wilmington. Later, classes were conducted at defense companies: Lockheed Aircraft Corporation, Douglas Aircraft Company, and North American Aviation. The instruction was designed to provide short college courses to meet the demand for chemists, physicists, engineers, tool engineers, and management personnel in the aircraft and other defense industries. In 1944, the University of California added courses for men and women who were high school graduates and for people who were employed or employable in war industries.

Although a nationwide program, ESMWT was locally known as the University of California War Training Program. The program was tuition free; students did not receive university credit. In addition to the UCLA and Berkeley, the University of California held classes for the program at the San Francisco and San Diego campuses.

The University's statewide ESMWT program was under the direction of Morrrough P. O'Brien, chairman of the department of mechanical engineering at Berkeley. UCLA campus supervisors included William Whyburn, mathematics; Joseph Kaplan, physics; Thomas A. Watson, mechanic arts; William R. Crowell, chemistry; Professor George Robbins, management; and Albert W. Bellany, radio and engineering. During the course of the program, hundreds of UCLA professors and off-campus instructors participated.

The University of California's ESMWT program offered over 200 courses, enrolling more than 6,500 men and women. Approximately 50 per cent of ESMWT's courses were in the field of engineering, 25 per cent in industrial management, 15 per cent in physics and chemistry, and 10 per cent in mathematics (UCLA On the Move, pg. 102).

As male draftsmen and engineers entered military service, job vacancies were filled by women who had taken classes in the Engineering, Science and Management War Training program.

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The University of California was described by President Sproul as a "humming war plant - the largest in the nation (UCLA On the Move, pg. 102)." The red, white and blue design of the ESMWT announcements and brochures reflect the level of patriotism prevalent during this time.

**Scope and Content**

Record Series 587 contains brochures and course announcements describing specialized defense industry training offered by UCLA during World War II, including approximately 286 course announcements, 79 brochures, and 4 publications created by the Engineering, Science, and Management War Training (ESMWT) program.

This is an inactive record series; no additional University records are expected to be added.

**UCLA Catalog Record ID**

UCLA Catalog Record ID: [3467109](#)

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Box 1                      **Brochures for courses offered by Engineering, Science and Management War Training (ESMWT). 1942-1944.**

**Scope and Contents note**

Eight (8) War Training Program brochures; 1 publication on the enrollment of women into war training programs; unknown photograph.

Box 1                      **Course announcements for Engineering, Science and Management War Training (ESMWT). 1943-1944**

**Extent:** 5 envelopes

**Scope and Contents note**

Approximately 286 announcements for the University of California War ESMWT. Engineering classes included: tool design, advanced jig and fixture, applied metallurgy, advanced tool planning, body plan interpretation for template layout, and die design. Management courses included: industrial management and labor relations, organizations and scientific management, production management, and aircraft production control. Science courses included: physics, chemistry, and mathematics applied to defense production.

Box 1                      **War Training Program (ESMWT) brochures. 1943-1944**

**Extent:** 3 folders

**Scope and Contents note**

Approximately 71 ESMWT brochures for courses in engineering, science, and management; ESMWT publication for undergraduate students and enrollment application form.