Industrial and Management Systems (IMSE)

Statement of Purpose and Library Needs:

Industrial and Management Systems Engineering (IMSE) involves the study and research of industrial processes, work analysis, production control, facilities design, operations research, human factors, computer simulation, quality control, and robotics and automation. As stated by the Department’s site, as well as their objectives and goals, Industrial and Management Systems at the University of South Florida stresses the strength of industrial engineering lies, in part, in its breadth and the applicability of its common body of knowledge in a wide variety of enterprises.

The discipline of industrial engineering involves the synthesis and application of scientific principles to the design, installation, and improvement of integrated systems of people, materials, and equipment to provide efficient and effective operating and work environments.

In addition to a Bachelor’s of Science in Engineering (BSIE) degree, the IMSE Department offers programs at both the master's and Ph.D. levels. Many of these graduate degrees include minors in other areas of engineering study.

The library endeavors to develop and maintain a collection that will satisfy the need for resources that support the undergraduate and graduate curriculum in mechanical engineering, as well as meet many of the more specialized demands from graduate students and faculty for advanced research materials.

I. COLLECTION AREAS

A. Area: Civil and Environmental Engineering

B. Classes and Levels

<table>
<thead>
<tr>
<th>LC Class</th>
<th>Description</th>
<th>Current Collection</th>
<th>Collection Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1-995</td>
<td>General Literature</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T55-T55.3</td>
<td>Industrial Safety. Industrial Accident Prevention</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T55.4-T60.8</td>
<td>Industrial engineering. Management engineering</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T58.4</td>
<td>Managerial control systems</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T58.5-T58.64</td>
<td>Information technology</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T59.5</td>
<td>Automation</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T59.7-T59.77</td>
<td>Human engineering in industry. Man-machine systems</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T173.2-T174.5</td>
<td>Technological change</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T175-T178</td>
<td>Industrial research. Research and development</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>T201-T342</td>
<td>Patents. Trademarks</td>
<td>3c</td>
<td>4</td>
</tr>
</tbody>
</table>
3c = Advanced study or instructional level. Supports master's degree level program
4 = Research level. Supports doctoral level programs and other original research

C. Scope of Coverage

1. Chronological Guidelines

Emphasis is on acquiring materials dealing with current technology; items dealing with older or outdated technology are acquired selectively, generally through gifts and donations.

2. Geographic Guidelines

There are no geographic limits governing the selection of materials in this discipline.

3. Date of Publication Guidelines

Emphasis is placed on the acquisition of current imprints. Older imprints are acquired selectively according to specified collection intensity levels.

4. Language Guidelines

English is the primary language of the collection. Other languages will be acquired selectively.

D. Types of Materials Collected

1. Treatment of Subject

Emphasis is on maintaining a robust selection of journals in Industrial and Management Systems (IMSE) and developing a strong research monographic collection representing the important trade and professional presses. Conference proceedings, technical reports, dissertations, reference works, and graduate and advanced undergraduate texts are acquired selectively. Audio-visual materials and datasets are acquired selectively.

2. Format

Print resources prevail, although diskettes and CD-ROMs accompany an increasing number of current imprints. Full-text electronic journals are continuously added to the USF Libraries website. These are acquired through package arrangements with publishers, or through electronic upgrades of current subscriptions. (Note: Cancellation of a print subscription for which there is an electronic, full-text equivalent is encouraged and will follow the guidelines set forth in the document Selection...
of Resources for the USF Libraries website.) Audio-visual presentations on laboratory procedures and field operations may be selected for purchase. The same holds true for specialized datasets, with the understanding that these resources become the permanent property of the library with no restrictions on who may use them.

II. ACQUISITIONS STRATEGY

The Collection Development Librarian assigned to the department, with priority given to faculty requests, selects industrial and Management Systems (IMSE) materials. The library maintains a well-established approval plan for most trade and professional presses of interest to the department, and has current subscriptions to the core research journals in this field.

Retrospective purchases are done at faculty request or to replace items lost through theft and damage. Since funding is very limited for new subscriptions, access to articles in journals that are not owned by the library is routinely handled through fee-based document delivery services and inter-library loan. The library encourages faculty to periodically review their journal subscriptions and to cancel titles that are no longer of interest or value. The library occasionally receives donations of Industrial and Management Systems (IMSE) journals and monographs from faculty and the community. When it is appropriate to do so, donated materials are added to the collection.

III. COLLECTION NOTES

Upper level undergraduate texts are acquired selectively. Theses and dissertations from other institutions are generally not collected unless the faculty specifically requests them. Popular technology items are excluded. Works dealing primarily with the topic of automatic control are acquired selectively.

Policy submitted by:

Matt Torrence, USF Tampa Library

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