

Ferdinand D. Bluford Library

Biomechanics/Kinesiology

Scope: *The following pathfinder is a selective bibliography designed to guide the student in finding information on the different aspects of biomechanics or kinesiology.*

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1. Library of Congress Classification

The F. D. Bluford Library uses the Library of Congress Classification System to arrange materials on the library shelves. Resources on biomechanics or kinesiology can be found in the Reference Area and the stacks area under the classification listed below:

GV	1-1860	Recreation and Leisure
	201-555 561-1198 1580-1799	Physical Education and Training Sports Dancing
QH	1-705	Natural History, Biology
	505 513	Biophysics Biomechanics
QP	1-981	Physiology
	34+ 301 303 310-336	Human Physiology Musculoskeletal System Mechanics, Kinesiology Other Special Movements
RC	31-1245	Internal Medicine
	1210-1245	Sports Medicine/Physiology
RJ	1-570	Pediatrics
	133	Motor Development (Exercise)
RM	1-931	Therapeutics
	719-733	Mechanotherapy (Exercise)
TA	1-1280	Engineering - General
	166-167	Human Engineering

2. Subject Headings

The Library of Congress Subject Headings are used to locate materials in the F. D. Bluford Library's catalog by subject. Below is a selected list of subject headings:

3. Reference Books – A Selected List

Reference books are located on the first floor beyond the Reference desk. If you need assistance, please ask one of the Reference Librarians.

- Alvin Ailey Dance Moves! A New Way to Exercise.*
A&T REF GV1595 .F75 2003
- The Dictionary for Human Factors/Ergonomics.*
A&T REF TA166 .S77 1992
- Dictionary of the Sport and Exercise Sciences.*
A&T REF GV558 .D53 1991
- Guides to Information Sources.*
Series of at least 12 books in A&T REF
- Harbrace College Handbook.*
A&T REF PE1112 .H6 1998
- Handbook of Human Factors and Ergonomics.*
A&T REF TA166.H275 1997
- How Things Work: The Physics of Everyday Life.*
A&T REF QC21.2 .B59 1997
- International Encyclopedia of Ergonomics and Human Factors.* A&T REF TA166 .I556 2001
- The Little, Brown Handbook.*
A&T READY REF PE1112 .F64 2000
- Publication Manual of the American Psychological Association.* 4th. Ed. A&T REF BF76.7 .P83 1994
- Writing Literature Reviews: A Guide for Students of the Social and Behavioral Sciences.*
A&T REF H61.8 .G3 1999

4. Books – A Selected List

Circulating books are located in different sections of the library. Please consult the directory by the elevator or ask for assistance.

- 20 Common Problems in Sports Medicine.*
A&T STACKS RC1210 .A15 2002
- Advances in Sport, Leisure, and Ergonomics.* A&T
STACKS RC 1235 .A384 2002
- Biomechanical Basis of Human Movement.*
A&T STACKS QP303 .H354 2003
- Cats' Paws and Catapults: Mechanical Worlds of Nature
and People.* A&T STACKS QH513 .V64 1998
- Dexterity and Its Development.*
A&T STACKS QP303 .D48 1996
- Engineering Physiology: Bases of Human Factors/
Ergonomics.* A&T STACKS TA166 .K76 1997
- Ergonomics Guidelines and Problem Solving.*
A&T STACKS TA166 .E724 2000
- Essentials of Strength Training and Conditioning.*
A&T STACKS GV711.5 .E88 1994
- Exercise in Rehabilitation Medicine.*
A&T STACKS RM725 .E926 1999
- Exercise Physiology for Health, Fitness, and
Performance.* A&T STACKS QP301 .P585 2003
- Facilities Planning for Health, Fitness, Physical Activity,
Recreation, and Sports: Concepts and Applications.*
A&T STACKS XXX GV401 .F32 2002
- Full-Body Flexibility.*
A&T STACKS RA 781.63.B56 2004
- Growth, Maturation, and Physical Activity.*
A&T STACKS QP84 .G75 2004
- A Guide to Methodology in Ergonomics: Designing for
Human Use.* A&T STACKS TA166 .S73 1999
- High-Performance Sports Conditioning.*
A&T STACKS GV711.5 .H59 2001
- Human Factors Engineering.*
A&T STACKS TA166 .P53 2000
- Human Motor Development: A Lifespan Approach.*
A&T STACKS RJ133 .P39 1999
- Introduction to Athletic Training.*
A&T STACKS RC1210 .H49 2000
- Introduction to Kinesiology: Studying Physical Activity.*
A&T STACKS QP303 .I53 2000
- Kinanthropometry in Aquatic Sport: A Study of World
Class Athletes.* A&T STACKS RC1220 .A65K56
- Kinetics of Human Motion.*
A&T STACKS QP303 .Z383 2002
- Life Span Motor Development.*
A&T STACKS RJ133 .H34 2001
- Manual of Structural Kinesiology.*
A&T RESERVE QP303 .T58 2001
- Mechanics of Sport: A Practitioner's Guide.*
A&T STACKS QP303 .C375 1997
- Motivating People to be Physically Active.*
A&T STACKS RM725 .M373 2003

- Neuromechanics of Human Movement.*
A&T STACKS QP303 .E56 2002
- Overtraining in Sport.*
A&T STACKS RC1235 .O94 1998
- Performing in Extreme Environments.*
A&T STACKS RC1238 .A75 2000
- Physical Activity Assessments for Health-Related
Research.* A&T STACKS QP301 .P553 2002
- Physiological Aspects of Sport Training and
Performance.* A&T STACKS QP301 .H635 2002
- Progress in Motor Control.*
A&T STACKS QP301 .P767 1998
- Qualitative Analysis of Human Movement.*
A&T STACKS QP303 .K59 2002
- Research Methods in Physical Activity*
A&T STACKS GV361 .T47 2001
- Science of Flexibility.*
A&T STACKS QP310 .S77.A45 1996
- Teaching the Nuts and Bolts of Physical Education:
Building Basic Movement Skills.*
A&T LRC GV443.C59 2000

5. Electronic Books

Electronic books may or may not have a print counter part in the library. Click on the link available from the Catalog or use the Electronic Books resource.

- Biomechanical Systems: Techniques & Applications, Vol.
III, Musculoskeletal Models & Techniques
[computer file].* [Go to ENGnetBASE](#)
- The Biomedical Engineering Handbook [computer file].*
[Go to ENGnetBASE](#)
- Critical postmodernism in human movement, physical
education, and sport [computer file].* [Go to netLibrary
Preview](#)
- Current Issues in Flexibility Fitness [electronic
resource].* [Web Site](#)
- Dexterity and Its Development [computer file].* [Go to
netLibrary Preview](#)
- Emerging Needs and Opportunities for Human Factors
Research [computer file].* [Go to netLibrary Preview](#)
- Everything You Need to Know About Sports Injuries
[computer file].* [Go to netLibrary Preview](#)
- Exercise for Special Populations [computer file] : ACE's
Source for Clinical Exercise Specialists.* [Go to
netLibrary Preview](#)
- Isostretching [electronic resource]: La Gimnasia de la
Espalda* [Go to netLibrary Preview](#)
- Musculoskeletal Disorders and the Workplace [electronic
resource]: Low Back and Upper Extremities.* [Go to
netLibrary Preview](#)
- The Skier's Edge [computer file].* [Go to netLibrary
Preview](#)
- Understanding Psychological Preparation for Sport
[computer file]: Theory and Practice of Elite
Performers.* [Go to netLibrary Preview](#)

6. Journals

Listed below are print journals related to biomechanics or kinesiology. In order to find out what years and/or formats the F. D. Bluford Library owns, please check the Library's catalog.

ACSM's Health & Fitness Journal
Adapted Physical Activity Quarterly: APAQ
The American Journal of Sports Medicine
Applied Ergonomics
Biotechnology and Bioengineering
Biotechnology Progress
Ergonomics: The Official Publication of the Ergonomics Research Society
Exercise and Sport Sciences Reviews
Human Development
Human Factors
Human Factors and Ergonomics in Manufacturing
IEEE Engineering in Medicine and Biology Magazine
IEEE Transactions on Bio-medical Engineering
IEEE Transactions on Nanobioscience
IEEE transactions on Neural Systems and Rehabilitation Engineering
International Journal of Cognitive Ergonomics
International Journal of Industrial Ergonomics
Journal of Applied Biomechanics
Journal of Applied Physiology
Journal of Biomechanical Engineering
Journal of Biomechanics
Journal of Health Education
Journal of Motor Behavior
Journal of Physical Education, Recreation & Dance
Journal of Sport & Exercise Psychology
Journal of Sports Medicine and Physical Fitness
Journal of Strength and Conditioning Research
Medicine and Science in Sports and Exercise
Motor Control: The International Journal for the Multidisciplinary Study of Voluntary Movement
Perceptual and Motor Skills
The Physical Educator
Proceedings of the Institution of Mechanical Engineers. Part H, Journal of Engineering in Medicine
Quest
Research Quarterly for Exercise and Sport
Sociology of Sport Journal
Sport Science Review

7. Electronic Journals

Electronic journals may or may not have a print counterpart in the library. Use the Electronic Journals resource to determine coverage and availability.

Advances in Biophysics
The American Journal of Sports Medicine
Archives of Physical Medicine and Rehabilitation
Biomechanics
British Journal of Sports Medicine
Bulletin of Mathematical Biology
Clinical Biomechanics
Computers and Biomedical Research
Current Sports Medicine Reports
Gait & Posture
Human Factors
Human Factors and Ergonomics in Manufacturing
Human Movement Science
IEEE Engineering in Medicine and Biology Magazine
IEEE Transactions on Bio-medical Engineering
IEEE Transactions on Nanobioscience
IEEE transactions on Neural Systems and Rehabilitation Engineering
International Journal of Psychophysiology
Isokinetics and Exercise Science
Journal of Applied Physiology
Journal of Applied Biomechanics
Journal of Athletic Training
Journal of Biomechanical Engineering
Journal of Biomechanics
Journal of Electromyography and Kinesiology
Journal of Exercise Physiology
Journal of Physical Therapy Science
Journal of Psychophysiology
Journal of Sports Medicine and Physical Fitness
Journal of Sports Science & Medicine
Measurement in Physical Education & Exercise Science
Medicine and Science in Sports and Exercise
Medical Engineering & Physics
Physical Therapy
Physical Therapy Reviews
Physics in Medicine & Biology
Physiological Measurement
Physiological Research
Physiological Reviews
Physiotherapy Research International
Preventive Medicine
Proceedings of the Institution of Mechanical Engineers. Part H, Journal of Engineering in Medicine
Professionalization of Exercise Physiology
Psychophysiology
Research Quarterly for Exercise and Sport
Reviews in Molecular Biology
Virtual Journal of Biological Physics Research

8. Databases

Databases are accessible through the library's web page. Some databases are multidisciplinary, covering many topics and publishers while others are subject or publisher specific. Here is a listing of databases providing access to articles pertaining to biomechanics or kinesiology:

Academic Search Elite (via EBSCOhost on NCLIVE)
Applied Science & Technology Full-Text (via Wilson Web)
Biotechnology and Bioengineering Abstracts (via Cambridge Scientific Abstracts)
CAB Direct
CINAHL
Compendex
Education Full-Text (via Wilson Web)
ENGnetBASE
Ergonomics Abstracts Online
ERIC (via Cambridge Scientific Abstracts or EBSCOhost)
Health Source: Nursing Academic Edition (via EBSCOhost on NCLIVE)
IEEE Xplore
InfoTrac Onefile (via Gale Info Trac on NCLIVE)
INSPEC
LexisNexis Academic (Look under the **Medicine** heading for two databases that cover sports medicine.)
MasterFILE Premier (via EBSCOhost on NCLIVE)
MEDLINE
ProQuest Nursing Journals
PsycINFO (via SilverPlatter)
PubMed (MEDLINE) (via National Library of Medicine)
ScienceDirect (via Elsevier)
SPORTDiscus
Web of Science (via ISI)
WorldCat

9. Organizations

Below is a web list of organizations associated with biomechanics or kinesiology:

American Academy of Kinesiology and Physical Education <http://www.aakpe.org/>
American Academy of Physical Medicine and Rehabilitation <http://www.aapmr.org/>
American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD)
<http://www.aahperd.org/>
American Association for Active Lifestyles and Fitness
<http://www.aahperd.org/aaalf/template.cfm>
American College of Sports Medicine
<http://www.acsm.org/>
American Congress of Rehabilitation Medicine
<http://www.acrm.org/>
American Kinesiotherapy Association
<http://www.akta.org/>

American Physical Therapy Association
<http://www.apta.org>
American Physiological Society
<http://www.the-aps.org/>
American Society of Biomechanics
<http://asb-biomech.org/>
American Society of Exercise Physiologists
<http://www.css.edu/asep/>
American Sports Medicine Institute
<http://www.asmi.org/>
Human Factors and Ergonomics Society
<http://hfes.org/>
International College of Applied Kinesiology - USA Chapter <http://www.icakusa.com>
International Ergonomics Association
<http://www.iea.cc/>
International Society of Biomechanics
<http://www.isbweb.org/>
Rehabilitation Engineers & Assistive Technology Society of North America, RESNA <http://www.resna.org/>
Usability Professionals Association
<http://www.upassoc.org/>

10. Internet Sites

Use the Internet sites listed below to supplement the other materials.

APA Style Homepage
<http://www.apastyle.org>
Bad Human Factors Designs
<http://www.baddesigns.com/index.shtml>
Biomechanics Worldwide
<http://www.per.ualberta.ca/biomechanics/>
Cognitive Systems: Sandia National Laboratories
<http://www.sandia.gov/cog.systems/>
CU Ergo: Cornell University Ergonomics Web
<http://ergo.human.cornell.edu/>
How Stuff Works
<http://www.howstuffworks.com/>
Human Factors Research and Technology
<http://human-factors.arc.nasa.gov/>
Internet Scout Project
<http://scout.cs.wisc.edu/>
National Standards for Physical Education
<http://www.ericfacility.net/ericdigests/ed406361.html>
Sportsmedicine.com
<http://www.sportsmedicine.com/>
SUNY Geneseo Plagiarism pages provide an excellent discussion and quality examples of plagiarism.
<http://library.geneseo.edu/~liles/Stuplag1.htm>

Prepared by John C. Teleha,
Reference Librarian – November 6, 2001

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