The climatic conditions of this area can be said to be mild. Indiana lies in the temperate climatic zone. This area is subject to extreme weather conditions since it is some distance from the oceans. (Oceans tend to stabilize the climatic conditions.)

**TEMPERATURE**

- 105°F. Record High
- 95°F. Normal High
- 76°F. Average Summer Temperature
- 29°F. Average Winter Temperature
- -15°F. Normal Low (Design Temp. - 35°F.B.S.U.)
- -30°F. Record Low

During the winter there are normally one to five days with temperatures below 0°F.
During the summer there are normally eight to ten days with temperatures above 95°F.

**WINDS**

Prevailing Westerlies

Direction:
1) SW
2) W
3) NW
4) S
5) N
6) NE
7) SE
8) E

Velocity:
- 7 m.p.h. Normal
- 70 m.p.h. Maximum

Winds blow in gusts, not steadily. Winds do not blow parallel to the earth's surface; but either up or down at small acute angles to the earth's surface. Tornadoes do occur but very seldom.

**FROST LINE** Two feet is the maximum freeze depth.
PRECIPITATION

37" Average Amount of Rainfall
3"-4" Average Amount of Rainfall Per Month
Monthly extremes have varied from a few hundredths of an inch to a high of twelve inches.

Snow
24" Average Per Year (2½" - 3" of rain)
12" Normal Snow Depth
24" Record Snow Depth
During the winter there are normally 30-45 days with measurable snow cover.
Hail, sleet, and freezing rain do occur but very seldom.

CLOUD COVER

60% of Winter Days are Cloudy
45% of Spring Days are Cloudy
45% of Autumn Days are Cloudy
No figure for Summer
130 Days per Year are Cloudy
135 Days per Year are Partly-Cloudy
100 Days per Year are Clear
64.6 Totally Clear Days per Year (Avg.)
46.3 Totally Cloudy Days per Year (Avg.)

HUMIDITY

50%-60% Average
100% Maximum
Minimum not known

DEGREE DAYS (65°F Base)

Normal Season 5826-6150
Monthly Average: Oct. 260
Nov. 669
Dec. 1012
Jan. 1122
Feb. 981
Mar. 811
Apr. 439
May 260
Winter 9 hours of sunshine
15 hours of darkness

Summer 9 hours of darkness
15 hours of sunshine
1960 PROJECTIONS

Students...22,640
(University...23,000)
Faculty.........290

Student enrollments based on 8 contact periods per day.

HISTORY
Students...  
/Day 9600

SOCIOLOGY
Students...  
/Day 4640

POLITICAL SCIENCE
Students...  
/Day 4800

ANTHROPOLOGY
Students...  
/Day 1920

PHILOSOPHY
Students...  
/Day 1440

URBAN STUDIES
Students --- Director  
/Day 1
GENERAL CLASSROOM BUILDING
BALL STATE UNIVERSITY
MUNCIE, INDIANA
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: SEPT 28, 1970

Consultation Time ½ hrs.

Notes:

PROPOSE NEW STUDENT CENTER IN GEOGRAPHIC CENTER OF CAMPUS. FUTURE
$1,250,000 BONDED APPROVAL FOR PRESENT STRUCTURE
$3500,000 FOR NEW STUDENT CENTER
NO DETERMINED SITE
HOPE FOR NEW "CENTER OF CAMPUS" WEST ON MCKINLEY
COST APPROX. $55 / $1
PRESENT STUDENT CENTER 169,697 $1
STUDENT CENTER EXPANSION
1) TALLY-HO
2) ACTIVITY SPACE (BALL ROOM)
3) STUDENT OFFICE - WORKSPACE
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: **SEPT. 29, 1970**

Consultation Time **1/2 hrs.**

Notes:

- **SOCIAL & BEHAVIORAL SCIENCES BLDG. FOR BSU**
- **NEXT 4-6 YRS.**
- **NEED TO ENLIGHTEN CAMPUS**
- **DATA AVAILABLE**
- **DAVE MORSE - BSU**
- **WHEELER - MILLER, TERRA HAUTE**
- **BUMB FOR MASTER PLAN**
- **PSYCHOLOGY STATE OF INDECISION**
- **TRYING TO LEAVE TEACHERS COLLEGE**
THESIS LOG

Signatures of Faculty or Consultants  

Date: Oct. 1, 1970

Consultation Time 1 hrs.

Notes:

SOCIAL SCIENCE PROBABLY TO EAST
NEW "QUAD"

HARMONY - USE OF BRICK
SMALL AUDITORIUM - SPRING
LIBRARY - FALL
NEW PARKING STRUCTURE TO EAST
ARTICULATION ON NEW BUILDINGS.
STATE CODES APPLY
SOCIAL SCIENCE BLDG. AFTER LIBRARY
FINANCING, BUSINESS OFFICE
$8,800,000
$36/16
160,000
THESIS LOG

Signatures of Faculty or Consultants

Date: OCC 1, 1970

Consultation Time 3/4 hrs.

Notes:

\[ AT \text{ PRESENT} \]

\[ 352,000 \text{ FOR A & E AT PRESENT LEG.} \]

\[ IN CASH APPROPRIATION \]

\[ STATE CAN'T APPROPRIATE ENOUGH TO KEEP UNIVERSECITIES BONDING POWER. \]

\[ BID OUT, TAX FREE, 4-6\% LEADING INS. BANKS, ETC. \]

\[ ISSUE BONDS 1975 \]

\[ ALL CONST. COST $100,000 BONDED BONDS RETIRED FROM STUDENT FEES \]

\[ 8\% AT PRESENT \]

\[ REQUESTING LEGISLATURE TO HELP REPLACE STUDENT FEES \]

\[ STATE NOT RESPONSIBLE FOR DEFAULT OF UNIVERI\]

\[ HIGHER ED. FACILITIES ACT SOMETIMES ALLOWS FOR MATCHING FUNDS BUT NOT IN LAST FEW YEARS.\]
INTERIM FINANCING.
NEVER SELL BONDS BEFORE PROJECT BID
BONDS SOMETIMES SOLD 1-2 YRS. AFTER CONST.
STARTED
MOST BONDS 27-30 YR. RETIREMENT
BONDING POWER GOOD FOR ONLY 4 YR.
NOT SOLD BUT COMMITTED TO PROJECT.
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

date: OCT. 5, 1970

Consultation Time \( \frac{1}{2} \) hrs.

Notes:

METHODS - SOCIAL SCIENCE METHODS OF RESEARCH

FIGURES BASED ON PROJECTED ENROLLMENT 1980
CLASS SIZE RELATES TO ACADEMIC STANDING.
FEW NIGHT CLASSES
ANTHROPOLOGY \( \frac{1}{2} \) ENROLLMENT OF SOC.
THESIS LOG

Signatures of Faculty or Consultants

Date: **OCT. 6, 1970**

Consultation Time **1/2 hrs.**

Notes:

1980 11-12 MAN STAFF
LOGIC & BLACK BOARDS
MIN. 3 SEMINAR ROOMS 15 MAY.
1 GEC. FOR DEPARTMENT.
WORK ROOM
NO MORE THAN 70 STUDENTS PER SECTION
1970 9 MAJORS 80 MINOR
4 MASTERS

1980 30-40 MAJORS 60 MINOR
16-20 MASTERS

9,000 - 10,000 / YR.
HOPE FOR DEPT. OF RELIGION (FAR)
PRESENT RELIGIOUS MINOR
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: OCT. 7, 1970

Consultation Time 1/2 hrs.

Notes:
WHAT DORE SOCIAL SCIENCE INCLUDE TALK TO BEATTY ABOUT GEOGRAPHY URBAN STUDY INTER-DISCIPLINARY - MCLERIN INSTITUTE OF NATURAL RESOURCES - HIBBS. INTER-DISCIPLINARY BULLS FACULTY MEMBERS FROM VARIOUS DEPARTMENTS. URBAN STUDIES - DIRECTOR & SEC. MAY NEED FACULTY SPACE DEAN'S OFFICE RC. ASSOC. DEAN & ASSISTANT DEAN. CARMEN UNDER STAFFED HAS ASSISTANT DEAN BUT TEACHES NEED SPACE FOR TWO ASSOC. OR ASSISTANTS NEED CONFERENCE ROOM 17 DEPARTMENTS MUST RENT SPACE 2 SECS. PLUS STUDENT HELP 3 WORK SPACES MIN. FILING CABINETS RECEPTION. TOILET NEED IMPRESSIVE OFFICE FASTEST GROWING COLLEGE
THESIS LOG

Signatures of Faculty or Consultants: [Signature]

Date: OCT. 7, 1970

Consultation Time: 3/4 hrs.

Notes:

CHANGE IN GENERAL STUDIES PROGRAM MAY INCREASE POL. SCI. LOAD CENTER SPECIAL FACILITIES SO DEPT. CAN SHARE RESEARCH POLITICAL ACTIVITIES ETC.
THESIS LOG

Signatures of Faculty or Consultants

Date: **OCT. 7, 1970**

Consultation Time **1/2 hrs.**

Notes:

HISTORY LOAD MAY INCREASE WITH NEW GENERAL STUDIES REQUIREMENT

GRAD PROGRAM COOL OFF.

LARGE CLASSES HAVE SMALLER QUIZ

SECTIONS ONE DAY / WEEK - SMALLER SPACE.

4 MEMBERS OF HIST. DEPT. DO EDITORIAL WORK BEYOND UNIVER.

LEARNING CENTER - PROGRAM LEARNING TEACHING MACHINES, MICRO-FILM

MAPS STORED IN DENT. OFFICE - FIT IN FILE DRAWERS.
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date:  OCT.7, 1970
Consultation Time  \( \frac{1}{2} \) hrs.

Notes:

\( \frac{1}{3} \) enrollment of 600.
12 full time faculty
4 grad abs.

Projected enrollment 8000.
Anthropology - human history
Human evolution
Arch.
Linguistics
Study of living groups
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: 10-22, 1970
Consultation Time 1/2 hrs.

Notes:

DESIGN FOR
95°F DRY BULB MAX
70°F WET BULB MAX.
8-10 DAYS / YR.
DIVERSITY FACTOR (60%) ALLOWS LESSER
MACHINE LOAD TO HANDLE HEAT LOAD.
COLD WATER COOLING MEDIUM
COOLING DEHUMIDIFIERS AIR.
50-60% R.H. IS COMFORTABLE
STEAM HEAT OR A FEW HOT WATER CIR.
-5°F DESIGN LOW
STEAM HUMIDIFIERS IN EACH HEATING UNIT.
50% R.H. DESIGN COMFORT
2760 TONS LOAD LAST SUMMER
A.C. APRIL 1 - DEC. 1
2100 TON AVG DAILY LOAD
THESIS LOG

Signatures of Faculty or Consultants

Date: 10-22, 1970

Consultation Time 1/2 hrs.

Notes:

TWO FEET DEEP MAY. FREEZE

SW - W - NW MOST COMMON WIND
DIRECTION N - S&WELY LEAST COMMON
VELOCITY 7 M.P.H. 70 M.P.H. MAX.
MOST WINDS → GUSTY NOT STEADY

37" AVE RAINFALL

3" - 4" PER MONTH EVEN THROUGHOUT YEAR.

.01" → 12" EXTREMES.

105°F MAX.

95°F NORMAL HIGH

-30°F MAY. LOW

1 - 3 DAYS BELOW 0°F

DESIGN FOR -15°F

24" OF SNOW AVE → 2 1/2 - 3" OF RAIN

12" OF SNOW AT ANY ONE TIME 2' MAX.

30 - 95 DAYS WITH MEASURABLE SNOW
WINTER 60% CLOUDY
SPRING - FALL 48% CLOUDY

64.6 TOTAL YR.
48.3 TOTAL CLOUDY YR.

130 CLOUDY
100 CLEAR
135 PARTLY CLOUDY

HUMIDITY AVG. 50 - 60%
Prevailing wind: - SW wind throughout.

Pep -
- avg. temp. 37° - much higher in summer
- avg. wind 3-4 mph
- avg. wind 24°

\[\begin{align*}
\text{46°} & \text{10'} \\
\text{23°} & \text{30'} \\
\text{16°} & \text{40'}
\end{align*}\]

\[\begin{align*}
\text{73°} & \text{20'} \text{ from horizon in summer}
\end{align*}\]

15 km - 9 km Summer duration

9 km - 15 km Winter

95°F DB MAX. 0-10 days/yr.

78°F W. D. MAX.

DIVERSITY FACTOR
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: 11-7-70
Consultation Time \( \frac{1}{2} \) hrs.

Notes:

OFFICE - SHELVES - DESK, CHAIR, FILES
QUEST CHAIR(S)
PRIVACY
SECRETARIAL AREA OPEN

GRAD. STUDENTS BARRIED PROP. OFFICES
CLASSROOM 100 SEATS - NOT DESIRABLE
LECTURE - LAB (DISCUSSION)
NOT DESIRABLE

PHILOSOPHY - EXCHANGE NECESSARY
SEMINAR - UPPER DIVISION

70-75 - BEST ENROLLMENT FOR EXCHANGE
TN CENTER - STORAGE QUESTIONABLE
VISUAL AIDS

CONFERENCE ROOM - FACULTY MEETING INFORMAL
COLLEGE OF ARCHITECTURE AND PLANNING  
Ball State University  
Muncie, Indiana  

THESIS LOG  

Signatures of Faculty or Consultants  

Date: 11-3-76  
Consultation Time \( \frac{1}{2} \) hrs.  

Notes:  

DEPARTMENT OFFICE, REPORTS, MAIL RECEIPTION, TYPE, INFORMATION, CLEARING  

FACULTY OFFICE WORK  
1-2 GUEST, PRIVATE  

CONFERENCE - FACULTY, COMMITTEES, SMALL GROUP DISCUSSION, VISITORS  
AD. ASST. - FACULTY - TEACHING, RESPONSIBLE ADMINISTRATIVE  

200 SEAT FEED BACK DESIRABLE CONTROLLED  

100 SEAT FEED BACK CONTROLLED  

30-35 FEED BACK MAKES SIZE WORK  

SEMINAR - DISCUSSION - MONITOR  
LECTURE, LEADER  
CHAIRMAN - SHELVES, FILES, DESK, CHAIR, WINDOW  
QUICK CHAIRS; SCHEDULING FACULTY REQUIRED  

3-5 GUESTS MINIMAL TEACHING  
SECRETARIAL - TYPING - RECEPTION
GOV. RESEARCH CENTER RESEARCHES FOR
GOV. AGENCIES, STORAGE, TYPING, FILING
MEETING SPACE, EQUIPMENT - CALCULATOR
V.M. CENTER - VISUAL MAG. REPRINTS
BASIC TEXT GOV. REPORT
SAT. CENTER USE TO SUPPLEMENT RESEARCH
THESIS LOG

Signatures of Faculty or Consultants

Date: 11-3-70

Consultation Time 1/2 hrs.

Notes:

Chairman - teaches correspondence, prospects to administration, orders supplies, to all others than student

Elected by faculty

Dept. office - typing, financial recreation, order supplies, files recreation, time records, household, information workroom, storage supplies, copy machines etc.

Faculty office - teaches, window private book shelves, desk, 1-2 guests

Laboratory - typed, secretary for class

Typing - reception - typing - reception

Armed forces

Student assistant

100 seat - lecture, get what you can

Little need back

After classroom

Board than room steep visual contact

Arch lab 6 class: ocean describing, filing, lab table 2 link

Rely on chart; same 2 space, storage

Drawing table; storage for maps, desk, mark
DARKROOM - DOUBLE PHOTOS
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants: 

Date: 1-3-70

Consultation Time: 1/2 hrs.

Notes:

CHAIRMEN STUDENT - FACULTY PROBLEMS
60% OF MEETINGS 2-4 PEOPLE
PREPARES FOR CLASS, BOOKS

DEPT. OFFICE TYPE, INFO.
RECORDS, CORRESPONDENCE WITH PROSPECTIVE P.E., G.A.
RECENT FACULTY ADVISING
SCHOLARSHIP
FACULTY OFFICE WORK PRIVACY - WINDOWS
DESK SHELVES
SECRETARY: TYPING, RECEPTION, FILING, RESEARCH

100% - 80%

200 - 50% LECTURE FEEDBACK WOULD DISCUSSION SECTION
30-50, LECTURE RESOLUTION QUESTIONS DESIRED STUDENT REPORTS

SEMINAR: AROUND TABLE PRODUCTION STUDENT PAPERS, DISCUSSION MODERATOR OP DIS.
CONFERENCE, INFORMAL, FACULTY COMMITTEE
GRAD. EXAMS (URL)

A.D. ACCT. FACULTY MEMBER
SCHEDULE, PERSONNEL PROBLEM
ADVICE GRAD. ST.

ED. READING ROOM, 3 PUBLICATIONS EDITED
BY FACULTY TABLED, BOOKS CASES, FILE
REFERENCE LIBRARY
RESEARCH, WRITE, ETC.

LEARNING CENTER, PROGRAMMED LEARNING
TEACHING MACHINES TO PEOPLE

STUDENTS

NEED FOR LOUNGE-STUDY 24 HR.
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: **MARCH 29, 1970**
Consultation Time **1/2** hrs.

Notes:

WORK OUT GRID
CIRCULATION MULTI-DIRECTIONAL
ENVIRONMENTAL CONSIDERATIONS
RAIN WIND SUN

LIST AREAS

SPATIAL SEQUENCE
ENTRANCES VIEWS
SITE CONSIDERATIONS
MAJOR - MINOR SPACES
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants ____________________________

Date: ____________________________

Consultation Time _______ hrs.

Notes:
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants: ____________________________

Date: ___________ APRIL ___________

Consultation Time _______ hrs.

Notes:

- SUN PROTECTION
- SITE VISUALIZATION
- BUILDING COST
- SITE COST
- FROM INTO BUILDING
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: APRIL 16 1971

Consultation Time _________ hrs.

Notes:

STRUCTURAL CONTINUITY

SPATIAL RELATIONSHIP

CIRCULATION IMPORTANT IN LINEAR SCHEME

HIERARCHY OF ENTRANCES SPACES
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: APRIL 21, 1971

Consultation Time ______ hrs.

Notes:

GROUP OFFICES ANTE-SPACE

GEOMETRY GENERATES BAD SPACES

NODES - CLUSTER OFFICES & CLASSROOMS AROUND CROSS CORE

SPATIAL SENSE → INTERACTION
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: April 29, 1971

Consultation Time 1/2 hrs.

Notes:

Office - Classroom different notion of space
Towers - Prime generators - Study
Like totems
Impact of meeting ground?
Offices, windows - Environmental considerations
Lecture spaces

Ground plane - to vertical circulation
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: APRIL 29, 1971
Consultation Time _______ hrs.

Notes:

STEAM CONVERTED TO HOT WATER
HEAT EXCHANGER

AIR CONDITIONING - CENTRAL SYSTEM
INDEPENDENT CIRCUITS

HOT WATER REHEAT FOR INDIVIDUAL CONTROL
226,000 CFM
ONE UNIT PER FLOOR AS OPPOSED TO SUPER UNIT MULTI-ZONE

REHEAT COIL OR DOUBLE DUCT MIXING BOX
WINDOWS NEED RADIATION
500 CFM/OUTLET
SEPARETE UNIT PER LECTURE ROOM / NO REHEAT

MECH. ROOM
SWITCH GEAR
4 PUMPS
EXCHANGER
15,000 ft

8,000,000 Btu/hr

Steam

Chill. Note: -500 tons

150,000

\[ \frac{150,000}{2} = 75,000 \text{ cfm} \]

\[ \frac{225,000}{1250} = 180 \text{ ft} \]

\[ \frac{225,000}{500} = 450,000 \text{ cfm} \]
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: APRIL 30, 1971

Consultation Time __________ hrs.

Notes:

TRANSFER BEAMS - COLUMNS ABOVE
GRID SYSTEM
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: MAY 7, 1981
Consultation Time 1/2 hrs.

Notes:
CENTER COLUMN OPTIONAL, DEPENDS ON DEPTH
TRANSFER BEAMS C'?
COLLEGE OF ARCHITECTURE AND PLANNING  
Ball State University  
Muncie, Indiana  

THESIS LOG  

Signatures of Faculty or Consultants  

Date: MAY 14 1971  
Consultation Time 1 hrs.  

Notes:  

FORMAL ON EAST  
INFORMAL ON WEST  
WATER ON EAST?  
TREES FORMAL PATTERN  
PINES TO TRAILER PARK  
LONG WALK ON NORTH  
PARKING LOT (ARCH BLDG) MAY BECOME PLAZA  
WATER ACTION
COLLEGE OF ARCHITECTURE AND PLANNING
Ball State University
Muncie, Indiana

THESIS LOG

Signatures of Faculty or Consultants

Date: 11/4/11

Consultation Time 7 hrs.

Notes:

1. [Handwritten notes, not legible]

2. [Handwritten notes, not legible]
THESIS LOG

Signatures of Faculty or Consultants

Date: MAY 21, 1971

Consultation Time: __________ hrs.

Notes:
COLUMN - WALL ALIGNMENT WEAK
CENTRAL SPACE IN OFFICES TRANSITION

HE WOULD HAVE TAKEN MORE NOTES
FLEXIBILITY, WHAT IS IT?
CIRCULATION UP & THROUGH.
MAN & SPACE?
ONE UNCONSCIOUSNESS OF SPACE