

# AVERAGE WEEKLY ROOM USAGE IN CLASS LABORATORIES

## TABLE 4

The assessment of class laboratories is often difficult because of the specialized nature of a class laboratory as well as its interrelationship with a particular course of instruction. Laboratories should be evaluated on use, requirements, cost of operation and relationships to other laboratories.

The average room hours of instruction in laboratories is the ratio of the total room hours of instruction per week to the total number of classes which are designated with a room type of "210" (laboratories). Total room hours is obtained by multiplying the class duration (amount of time a class meets per week or class length) by the number of days a class meets per week.

"Daytime" utilization refers to all classes with beginning times between and including 0500 and 1659 (using a 24-hour clock); "nighttime" utilization applies to all classes with beginning times between and including 1700 and 0459. The sum of "daytime" and "nighttime" is reflected in "all hours."

Norm: Optimum use of class labs is 20 hours per week.

$$\text{Average Room Hours} = \frac{\text{Total Room Hours of Instruction in Labs}}{\text{Total Number of Labs}}$$

Sample Data:

| DAYS OF WEEK   | TIME          | ENROLLMENT | ROOM TYPE |                      |
|----------------|---------------|------------|-----------|----------------------|
| Mon.           | 13:00 - 16:00 | 17         | 210       | 1 day * 3 hours = 3  |
| Tues.          | 13:30 - 16:30 | 14         | 210       | 1 day * 3 hours = 3  |
| Mon./Wed./Fri. | 9:00 - 10:00  | 25         | 210       | 3 days * 1 hour = 3  |
| Mon./Wed./Fri. | 10:00 - 11:00 | 35         | 210       | 3 days * 1 hour = 3  |
| Tues./Thurs.   | 11:00 - 12:30 | 30         | 210       | 2 days * 1.5 hr = 3  |
| Wed.           | 11:00 - 14:00 | 29         | 210       | 1 day * 3 hours = 3  |
| Fri.           | 11:00 - 14:00 | 21         | 210       | 1 day * 3 hours = 3  |
| Mon.           | 13:00 - 16:00 | 22         | 210       | 1 day * 3 hours = 3  |
| Wed.           | 18:00 - 21:00 | 13         | 210       | 1 day * 3 hours = 3  |
| Mon.           | 19:00 - 22:00 | 16         | 210       | 1 days * 3 hours = 3 |
|                |               |            |           | ----                 |
|                |               |            |           | TOTAL 30             |

The last two classes listed in the sample data start after 17:00 which is considered nighttime, so six hours would be placed under "Nighttime". The remaining twenty-four hours would be placed

under "Daytime". "Total Room Hours" would be thirty. The sample report uses 90 as the total number of rooms classified with a room type of "210" (laboratories).

$$\begin{array}{rcl} \text{Total Room Hours of Instruction} & = & 30 \\ \hline & & \text{-----} \\ \text{Total Number of Class Laboratories} & = & 90 \end{array} \quad \text{-----} = .33$$

The report for one institution would look like this:

|             | FTE   | Total<br>Room Hours | Daytime | Nighttime | All Hours |
|-------------|-------|---------------------|---------|-----------|-----------|
| Institution | 5,411 | 30.00               | 24.00   | 6.00      | .33       |

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**IN CLASS LABORATORIES**

| INSTITUTION                           | FTE    | TOTAL<br>ROOM<br>HOURS | DAYTIME | NIGHTTIME | ALL HOURS |      |      |      |      |
|---------------------------------------|--------|------------------------|---------|-----------|-----------|------|------|------|------|
|                                       |        |                        |         |           | 2005      | 2004 | 2003 | 2002 | 2001 |
| PUBLIC FOUR YEAR INSTITUTIONS         |        |                        |         |           |           |      |      |      |      |
| Grambling State University            | 4,707  | 298                    | 274     | 24        | 4.0       | 0.0  | 6.3  | 6.3  | 4.5  |
| Louisiana Tech University             | 9,980  | 740                    | 700     | 40        | 7.1       | 5.7  | 5.2  | 6.3  | 5.0  |
| McNeese State University              | 7,835  | 897                    | 757     | 140       | 11.6      | 10.9 | 10.1 | 10.8 | 10.0 |
| Nicholls State University             | 6,375  | 744                    | 666     | 78        | 8.6       | 8.3  | 8.0  | 8.3  | 8.4  |
| University of Louisiana in Monroe     | 7,978  | 521                    | 463     | 58        | 9.1       | 8.9  | 8.3  | **   | **   |
| Northwestern State University         | 8,038  | 1,196                  | 945     | 251       | 9.1       | 9.7  | 10.9 | 10.1 | 9.8  |
| Southeastern Louisiana University     | 13,339 | 1,452                  | 1,354   | 98        | 12.4      | 10.4 | 15.4 | 16.0 | 15.8 |
| University of Louisiana in Lafayette  | 14,808 | 939                    | 844     | 95        | 8.6       | 8.8  | 10.1 | 9.5  | 9.0  |
| LSU at Alexandria                     | 2,107  | 214                    | 193     | 21        | 7.6       | 7.9  | 8.6  | 9.9  | 7.3  |
| LSU A&M (Including Ag. & Law)         | 31,372 | 2,677                  | 2,485   | 192       | 13.5      | 15.4 | 10.3 | 15.1 | 14.3 |
| LSU in Shreveport                     | 3,199  | 335                    | 254     | 81        | 7.9       | 5.8  | 7.4  | 7.9  | 7.1  |
| University of New Orleans***          |        |                        |         |           |           | **   | **   | 9.4  | 8.5  |
| Southern University A&M               | 9,927  | 955                    | 869     | 86        | 8.0       | 8.4  | 7.5  | 7.3  | 6.9  |
| Southern University at New Orleans*** |        |                        |         |           |           | 7.2  | 6.5  | 5.7  | 6.1  |
| PUBLIC TWO YEAR INSTITUTIONS          |        |                        |         |           |           |      |      |      |      |
| LSU at Eunice                         | 2,057  | 151                    | 145     | 6         | 9.4       | 10.0 | 8.9  | 9.0  | 8.6  |
| Southern University at Shreveport     | 1,839  | 119                    | 88      | 31        | 5.3       | 10.5 | 6.3  | 7.8  | 7.1  |
| Baton Rouge Community College         | 4,719  | 464                    | 391     | 73        | 16.5      | 12.1 | 13.2 | 13.5 | 15.1 |
| Bossier Parish Community College**    | 3,205  | **                     | **      | **        | **        | **   | **   |      |      |
| Delgado Community College***          |        |                        |         |           |           | 11.9 | 15.7 | 15.5 | **   |
| Nunez Community College***            |        |                        |         |           |           | 17.9 | 19.5 | **   | 17.7 |
| River Parishes Community College**    | 587    | **                     | **      | **        | **        | **   | **   | 12.0 | 9.0  |
| South Louisiana Community College     | 1,099  | 90                     | 69      | 21        | 5.2       | 15.7 | 20.8 |      |      |

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| INSTITUTION                         | FTE | TOTAL<br>ROOM<br>HOURS | DAYTIME | NIGHTTIME | ALL HOURS |      |      |      |      |
|-------------------------------------|-----|------------------------|---------|-----------|-----------|------|------|------|------|
|                                     |     |                        |         |           | 2005      | 2004 | 2003 | 2002 | 2001 |
| Louisiana Delta Community College** | 625 | **                     | **      | **        | **        | **   | **   |      |      |
| L.T.C. Fletcher                     | 863 | 259                    | 241     | 18        | 14.3      | 8.8  | 12.7 |      |      |
| L.T.C. Sowela***                    |     |                        |         |           |           | 15.2 | 16.7 |      |      |
| LTC Campuses                        |     |                        |         |           |           |      |      |      |      |
| LTC - Acadian                       | 139 | 561                    | 561     | 0         | 33.0      | 16.8 |      |      |      |
| LTC - Alexandria                    | 356 | 78                     | 72      | 6         | 3.2       | 7.0  |      |      |      |
| LTC - Ascension                     | 149 | 239                    | 239     | 0         | 26.5      | 14.4 |      |      |      |
| LTC - Avoyelles                     | 225 | 180                    | 180     | 0         | 10.5      | 9.4  |      |      |      |
| LTC - Bastrop                       | 193 | 160                    | 160     | 0         | 20.0      | 18.3 |      |      |      |
| LTC - Baton Rouge                   | 676 | 521                    | 473     | 48        | 10.6      | 9.7  |      |      |      |
| LTC - Charles B. Coreil             | 100 | 0                      | 0       | 0         | 0.0       | 0.0  |      |      |      |
| LTC - Delta Ouachita                | 380 | 481                    | 446     | 35        | 68.7      | 13.4 |      |      |      |
| LTC - Evangeline                    | 195 | 173                    | 173     | 0         | 28.7      | 17.5 |      |      |      |
| LTC - Florida Parishes              | 231 | 122                    | 119     | 3         | 17.4      | 17.2 |      |      |      |
| LTC - Folkes                        | 533 | 53                     | 53      | 0         | 13.1      | 0.0  |      |      |      |
| LTC - Gulf Area                     | 321 | 255                    | 255     | 0         | 11.5      | 7.3  |      |      |      |
| LTC - Hammond                       | 252 | 181                    | 154     | 27        | 16.4      | 13.5 |      |      |      |
| LTC - Huey P. Long                  | 130 | 272                    | 272     | 0         | 20.9      | 24.2 |      |      |      |
| LTC - Jefferson***                  |     |                        |         |           |           | 12.2 |      |      |      |
| LTC - Jmonville                     | 111 | 59                     | 59      | 0         | 19.5      | 8.6  |      |      |      |
| LTC - Lafayette                     | 763 | 1,316                  | 1,316   | 0         | 27.4      | 17.8 |      |      |      |
| LTC - Lafourche                     | 224 | 373                    | 373     | 0         | 20.7      | 16.7 |      |      |      |
| LTC - Lamar Salter                  | 211 | 370                    | 358     | 12        | 37.0      | 33.6 |      |      |      |
| LTC - Mansfield                     | 112 | 83                     | 83      | 0         | 20.6      | 25.7 |      |      |      |
| LTC - Morgan Smith                  | 118 | 159                    | 159     | 0         | 26.4      | 25.0 |      |      |      |
| LTC - Natchitoches                  | 191 | 38                     | 38      | 0         | 18.7      | 33.0 |      |      |      |
| LTC - North Central                 | 102 | 179                    | 170     | 10        | 25.5      | 20.5 |      |      |      |
| LTC - Northeast                     | 119 | 202                    | 167     | 35        | 25.1      | 19.7 |      |      |      |

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|--------------------------|-----|------------------------|---------|-----------|-----------|------|------|------|------|
|                          |     |                        |         |           | 2005      | 2004 | 2003 | 2002 | 2001 |
| LTC - Northwest          | 454 | 178                    | 178     | 0         | 22.1      | 21.4 |      |      |      |
| LTC - Oakdale            | 222 | 65                     | 65      | 0         | 10.8      | 8.0  |      |      |      |
| LTC - River Parishes     | 361 | 408                    | 393     | 15        | 27.2      | 18.9 |      |      |      |
| LTC - Ruston             | 180 | 220                    | 220     | 0         | 16.8      | 12.9 |      |      |      |
| LTC - West Jefferson***  |     |                        |         |           |           | 16.2 |      |      |      |
| LTC - Westside           | 61  | 0                      | 0       | 0         | 0.0       | 0.0  |      |      |      |
| LTC - Young Memorial     | 240 | 894                    | 894     | 0         | 37.2      | 20.1 |      |      |      |
| LTC - Sabine Valley      | 122 | 12                     | 12      | 0         | 12.0      | 20.0 |      |      |      |
| LTC - Shelby Jackson     | 122 | 74                     | 74      | 0         | 14.7      | 22.5 |      |      |      |
| LTC - Shreveport Bossier | 650 | 104                    | 104     | 0         | 26.0      | 31.2 |      |      |      |
| LTC - Sidney Collier***  |     |                        |         |           |           | 39.7 |      |      |      |
| LTC - Slidell***         |     |                        |         |           |           | 19.5 |      |      |      |
| LTC - Sullivan***        |     |                        |         |           |           | 13.1 |      |      |      |
| LTC - T. H. Harris       | 483 | 632                    | 632     | 0         | 18.0      | 9.7  |      |      |      |
| LTC - Tallulah/M. Surles | 240 | 143                    | 143     | 0         | 20.3      | 29.7 |      |      |      |
| LTC - Teche Area         | 379 | 1,289                  | 1,284   | 5         | 46.0      | 29.6 |      |      |      |

\*DOES NOT INCLUDE SATURDAY CLASSES

\*\*NOT AVAILABLE

\*\*\*excused from fall 2005 reporting requirements

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