# A study to determine the minimum number of student contacts per course that would justify the course financially, in a private secondary school and junior college. 

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# A STUDY TO DETERMINE <br> ITE MINIMUM NUMBER OF STUDENT CONTRACTS PER COURSE THAT WOULD JUSTIFY THE COURSE FINANCIALLYY, IN A PRIVATE SECONDARY SCHOOL AND JUNIOR COLLEGE 

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THLAE II (IOREDORD) ..... 8
  ..... 9
TASise III (Fontionti). ..... 1.
 CONASH, RUUR, ARU STUREAI CNTACT. ..... 11
PMALS IV (FOnHEORLS) ..... 12
 ..... $18-14$
 ..... 15-17
CUNCLOETUS. ..... 18

## Itridupliflun.

The inutiturion with vilea thits probles is coaceaud is :


 prying the gaminiterptivo and instructionel onleries.

The natio of tue institution sill not e used in thal protLem, iecruse faculty sialarles "re personel autters pilich I au nut at Iiterty to ashe public. Wy interest in the mroblea arose
 Fhen I terved as bookiceepur and instructor.

Ior the year 1963-1940 the enrolyment ans one sumared find birty-five stulents, fifty-one roelstored in the Selin.ry, = seconaury actioul, and eighty-four reainuered in the jmior hol1oge. During the pest flve yearb tire totil reciatration Nat been frisicy constent, but since the duniur college las been operstint the Ceminery enrollment has fullea off. The ciecrease in the seminary enrolluent hes bean ofiset by En increase in the Jinior College unrollinent, which ass roubthly Hproxinnted trie Seminary's cecrespe.

The student body is equelly diviaca betreen coys cad irls, anc veiveen town and bourding sturents.

Thu Sooinary m. Ich is rapiuly loalag aurcilement any uot


 instructors. Some of the traciers are nired un e port time btals, and for teaching unte or tho courbes ele eiven tatir Loarả snd roum. Tise institution caluljetes tne velue uf borrd aria room to we turee nunared end fifty ciollers per scheol yeur for toperton iiving alone, ad two huncrea ind fifty collows for a tarried persort, whe sheres a roum with husi=na or wife, as the case aiy be. The totel nurber of instructors is ticnty, ad there are three people whose duties wre yely dininztretive. This leuves t total of umenty-tiree peopie whoze shisries are clasified as Listructionsl or aministrative. Tucre tefe forty-nine uifferent courses offered in the colloge and thirty-two in tase Seminary. This number incluacs sections of the cime course as eeperate aubjects; for example, Higlich If and it is counted as two suljects. Consioering these fsets, we will atteapy to find wat is the surficient number of students in a course to wace it an assot instead of a 1iubility.

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Tho tutal cost of damistrotion and in trusthen is 3 OUn in Tuble I (pare ${ }^{7}$ ) wh inctudee the satirion of tio instructons ard adinistrotorn for ylc soucater. TEC aost 13t r courve offerod may be determind on three buses, letely: the avci*ge cost per conrse, found by uividing that what nuabey of courses offered into ting total of instructions na Udəinhstretive seltries; tue cost por cuarse ce?endirte on the number of rours of instruction, found by multiplyine the namLer of nuurs for any one course uy the cost per houx of irn struction; last, tae cost per course cepencilng on the number of stucient contacts por neak, iound by multlplying the cost per stucient contact by the nuaber of stucient contacts of the course. On this basis, the avorago cost for course is onc rundred and fifty-one dollars and fifty-four cents; the cost per hour of instruction form-two doljars and sixty-two cents; and the eost yer otucient eoitact, four dojlers ind severity. eight cents (cf. Tible I).

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The totsl income fron tuition is foond bu multirlyinf the tultion clesrgea by the seninary by the number of stwients In the Seminery und the unition chareged by the Collego by the rubler of sturientis in tre sollege, wai wishis those totils togetner.

|  | -6- |  |  |
| :---: | :---: | :---: | :---: |
|  | Hember of Utudemito | Tultion ent Suncalos | Tousl |
| Seminary | 51 | 1180.65 | 1200] |
| College | 84 | +1-2.5j) | 53650 |
|  | $\overline{105}$ | - - | $\overline{\text { İ( }}$ |

Tiris anount. $(\mathrm{LL}, 410)$, hom a'vove, is the nuxisua monent ty $t$ the sciuval cia receive frou tuition vith itw presest rolament. Iron this wount Instructionsl sad adinistrutive sale ina sult be
 the number of atucentiska tue istafi is the varicole rubutity, its muater beins ad..ustea iroa yeur to yeer to care for whe neea. ot The stucients.

Incone auy also be colculated on three bas en: incone yer course, eer hour of Lnutruction. \&nd per student contaci; but tre incuar will not increase or ácereese with the nuaber of couri es offerel or the number of loours of instruction given. The incone from sny une course ill very with tace nunber oit stuuent cuitacts per course. becaure of tise difference in tuition winecs between the Colfege nd ecminary, Ta Licu II end III heve ween pepurod, shoxime no tise courses, hours, aza student custects me aiviled detween the stifi mambere and the callege end Seninary.

Using income per situdent contiot ior shais, we Itha
 anc student contrets each reek in order to cover the everete cost per course as shown in Tuble I. On the suse becis, sill Seninsry courson mint have at leost one hundrec student woritacts yer reck in order to cover the averege colt per courde. keforence to Talies II sia III will snow how these figures were rochod. The total tijition incune of the Semincyy bivinu been fixed et ff, 040 per senczter, the number of stigent conttacts per veek for whe weminery mes determined. The tuition ineore was then divided by the numer of stwient cont cto ger reek, which fives tis Lucomo per stuctent costsct. This in turn was diviaed into the average cost jer course, as shorn in
 the average cont jer scmestor was established. The seme procodure ens followed for the college.

### 10.140tilitinn I




 veait, but thelr silerice per semester.

Fron tills tedie the con per courise, for hour, ind oer ataaunt contact is obtained by uividing the nunter of coursos (eighty-onc), tue tumber of hours per wces (two nunareo nd elghty-eisint), and trie number of etracent contects ecr neec inso the total instructional rid cóaialstrative suleries.
 of of clets nourt in i sive: course $\mathrm{h}_{3}$ the atuiver of sturents arolled in tae course.

## Tand. I

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## TAE LI II

## TEACHILS IA The Sminhay



Tuble II it a Iist of dl vie instructores snd edelsijstrmtors, eccompunied by the nutuker of courses, nours, ant loed of alch, in the seminary.

From this table we liau tne income per cour.c, gex hour of instruction, and per stuaent contact by iiviaing tne totals of these into the total income fros seminery t.ition ( 1630 ).


## I UID III

## THKVEN IN UKLICL



Table III is a list of all tho instructora ade dainutar tor., accoxpenled by tine number of inurvou, hour, fad lo d of. each, in the college.

Irue this table re find the incode per co:re, per hous
 of the ce into thie total income from collcee tuition ( 9,45 ).

## THLUT III

## TEKizas in ublul id．



| Tiluthe | Cucsis | HOTISS | LOIS |
| :---: | :---: | :---: | :---: |
| 8 | $\checkmark$ | 4 | 14 |
| B | 6 | 17 | 85 |
| c | ］ | J | 0 |
| $\square$ | 1. | 3 | L2 |
| E | 2 | 7 | 30 |
| $F$ | 5 | 15 | くis |
| c | $x_{4}$ | $1 i_{0}$ | 84 |
| H | 2 | 6 | 13 |
| I | 4 | 11 | 2 5 |
| J | 0 | 0 | 3 |
| K | $\varepsilon$ | 10 | 56 |
| L | 1 | 1.4 | 15 |
| H | 1 | 4 | $7 \%$ |
| H | $\leqslant$ | 4 | 7.5 |
| 0 | 4 | 10 | $1: 6$ |
| ？ | 3 | 13 | \％ 13 |
| 4 | 3 | 9 | 6.3 |
| $R$ | 15 | 0 | 0 |
| S | 6 － | 18 | 34 |
| T | Ј | 0 | 3 |
|  | $\frac{3}{49}$ | $\frac{0}{157}$ | $\frac{0}{1 \% 89}$ |
| Totel 25 | 49 | 157 | 1＜83 |
| Income pos： Income per <br> Income per | e 135.85 | 啝む。19 | 87.38 |

DETALL U1 UTTURTIUN IH IHIS IAUTLTVTHE

This table is a list of all couraen offered in we Eenins ry sud College, accompsnied by the ebucient cont ithe per cisurie. Iture this table we cen ascertain trose seninimy and holoeg conrune tutt are operted at a loss. All Eeminary courzot vitit leus ohl ont sundired student contscts and : il. Collogo cuurseis i.ith lus\% Haen twecty-one student contrats ere operated et t. i.os.

## P年新 IV



## stacnkiy aitue mpatio

| Qutel | Tructe |
| :---: | :---: |

1. Americen .istory

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75
2. Algebrs I
3. Algebra II
4. Ancient History
5. Sible I ( 0 )
6. Hivle I (b)
7. Hible I (c)
8. Iiblo I (d)
9. Loorkeeping I
10. jocisceejing II
11. Biology
1.. Chemi stry
12. Comnercial Geography C
14. Inglisi I A
1.5. Faglish II :
10. English III T
17. EnEizh IV 1
19. French I
19. Irench II ( )
20. Firench II ( D )

T1. General iclence

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## Teus IV (tourtuare



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| :---: | :---: | :---: |
| 22. Latin I | J | 35 |
| (3. Medievel and Modera |  |  |
| IIIstory | D | 35 |
| 24. 21. ne Geometry | \% | 53 |
| -5 Enysical Eciucation | it | : 8 |
| 25. Shorthand I | 0 | : 5 |
| :7. Bhortinand II | c | 10 |
| 88. Suecch Ia | 8 | 05 |
| 23. Speecn Ib | $N$ | 13 |
| 30. Solfeggio | $T$ | 3 |
| 31. Typing I | C | (i) |
| 32 I In ing II | C | 75 |

## It inter IV


CLEMOE Cujase ormate
$1030-1340$

QuatSi

1. सpprecietion

之. Accounting
3. BiEle
4. biology I
5. Liology II
c. Chemistry (Org.)
7. Clothing
3. Che-i.istry
3. Leonomics
10. Foodes and Cooking
11. Prench IA
1.6. Irench IS
13. French II
14. Irenen III
15. Inclish IA
16. English IE
17. Inclish II
18. Hiarmony
19. : Suscholé Icc...
2). Housetiold Men.
L. Journelism I

Lío Juurnalism II

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| CODHSS | Trachth |  |
| :---: | :---: | :---: |
| 20. Iusic | 2 | $0^{2}$ |
| 24. Mecnenical Drewing | ? | 197 |
| 25. Nathenatics I | 4 | 671 |
| 26. Henematios II | 8 | 54 |
| 27. Personal fiegineritstion | B | Q |
| 23. Psycholozy | I | $1{ }^{2}$ |
| 29. Volitical science | I | 15 |
| 30. Paysical Rducation | L | 15\% |
| 31. Physics | K | 1:* |
| St. Physical Iducation | 4 | 7\% |
| 33. Spanish I | G | 44 |
| 34. Snanish II | G | 15* |
| 25. Socioloty | I | 45 |
| 36. Solld Cieozetry | 4 | $2 \times$ |
| 57. Speech A | $N$ | 18* |
| 38. speech d | $N$ | 2.3 |
| 23. 5jeech $\overline{4}$ | N | 21 |
| 4J. Sueoch D | N | $16^{*}$ |
| 41. Shop I | $?$ | G\% |
| 42. Stiop II | P | 1k: |

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Teule I hats: the bo t per courte to hs dan hoaured and rarky-



 courses, rebie.I.
 contacts jor woek, found by divibine seven dollire sud fetirtythiles cents (the income per stucient contect), Thlu III, into the avirage cost per course, Tible I。

APPIOVLU LY:


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[^0]:    Lang, Benjamin R., "A study to determine the minimum number of student contacts per course that would justify the course financially, in a private secondary school and junior college." (1941). Masters Theses 1911 - February 2014. 2649.
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