



# UNIVERSIDAD AUTÓNOMA DE CHIRIQUÍ

## SECRETARÍA GENERAL

### PLAN DE ESTUDIO DIURNO

#### LICENCIATURA EN ADMINISTRACION DE EMPRESAS CON ENFASIS EN MERCADOTECNIA - 2017

10/12/2025 01:20:57 am

Guía de Plan: 806

Sede: DAVID

Facultad: ADMINISTRACIÓN DE EMPRESAS Y CONTAB

Escuela: ADMINISTRACION DE EMPRESA

Carrera: LICENCIATURA EN ADMINISTRACIÓN DE EMPRESAS CON ENFÁSIS EN MERCADOTECNIA

Fecha Consejo: May 30 2017

No.Consejo: 08-2017

Total Créditos: 199

Versión: 2017

| NO. | Abre. | Núm. | Cod. | Descripción. | Cr. | HP. | HL. | HT. | Elect. | Pre-Requisitos |
|-----|-------|------|------|--------------|-----|-----|-----|-----|--------|----------------|
|-----|-------|------|------|--------------|-----|-----|-----|-----|--------|----------------|

#### I AÑO PRIMER SEMESTRE

|    |     |      |       |                                              |   |   |   |   |    |  |
|----|-----|------|-------|----------------------------------------------|---|---|---|---|----|--|
| 01 | AE  | 110  | 21489 | ADMINISTRACIÓN I                             | 3 | 2 | 0 | 2 | NO |  |
| 02 | CON | 111  | 21490 | CONTABILIDAD I                               | 3 | 2 | 0 | 2 | NO |  |
| 03 | AE  | 112  | 21491 | LA EMP.Y SUS ASPECTOS ECONÓMICOS I           | 3 | 2 | 0 | 2 | NO |  |
| 04 | MAT | 150  | 21492 | MATEMÁTICA PARA ADMINISTRACIÓN DE EMPRESAS I | 3 | 2 | 0 | 2 | NO |  |
| 05 | ESP | 150A | 23906 | EXPRESIÓN ORAL Y ESCRITA                     | 3 | 2 | 0 | 2 | NO |  |
| 06 | SOC | 171  | 21494 | SOCIOLOGÍA I                                 | 3 | 0 | 0 | 3 | NO |  |
| 07 | ING | 172  | 21495 | INGLÉS COMERCIAL I                           | 3 | 2 | 0 | 2 | NO |  |

TOTAL..... 21 12 0 15

#### I AÑO SEGUNDO SEMESTRE

|    |     |      |       |                                               |   |   |   |   |    |       |
|----|-----|------|-------|-----------------------------------------------|---|---|---|---|----|-------|
| 08 | HIS | 112  | 22089 | HISTORIA DE PANAMÁ                            | 3 | 0 | 0 | 3 | NO |       |
| 09 | ESP | 150B | 23907 | EXPRESIÓN ORAL Y ESCRITA                      | 3 | 2 | 0 | 2 | NO | 23906 |
| 10 | AE  | 210  | 21496 | ADMINISTRACIÓN II                             | 3 | 2 | 0 | 2 | NO | 21489 |
| 11 | CON | 211  | 21497 | CONTABILIDAD II                               | 3 | 2 | 0 | 2 | NO | 21490 |
| 12 | AE  | 212  | 21498 | LA EMPRESA Y SUS ASPECTOS ECONÓMICOS II       | 3 | 2 | 0 | 2 | NO | 21491 |
| 13 | MAT | 250  | 21499 | MATEMÁTICA PARA ADMINISTRACIÓN DE EMPRESAS II | 3 | 2 | 0 | 2 | NO | 21492 |
| 14 | SOC | 271  | 21500 | SOCIOLOGÍA II                                 | 3 | 0 | 0 | 3 | NO | 21494 |
| 15 | ING | 272  | 21501 | INGLÉS COMERCIAL II                           | 3 | 2 | 0 | 2 | NO | 21495 |

TOTAL..... 24 12 0 18

#### VERANO

|    |    |     |       |                                               |   |   |   |   |    |  |
|----|----|-----|-------|-----------------------------------------------|---|---|---|---|----|--|
| 16 | AE | 213 | 21503 | INFORMÁTICA PARA ADMINISTRACIÓN DE EMPRESAS I | 2 | 0 | 2 | 1 | NO |  |
|----|----|-----|-------|-----------------------------------------------|---|---|---|---|----|--|

TOTAL..... 2 0 2 1

#### II AÑO PRIMER SEMESTRE

|    |      |     |       |                                               |   |   |   |   |    |             |
|----|------|-----|-------|-----------------------------------------------|---|---|---|---|----|-------------|
| 17 | HIST | 113 | 25796 | HISTORIA DE PANAMÁ                            | 3 | 0 | 0 | 3 | NO |             |
| 18 | GEO  | 117 | 22090 | GEOGRAFÍA DE PANAMÁ                           | 3 | 0 | 0 | 3 | NO |             |
| 19 | AE   | 310 | 21504 | ADMINISTRACIÓN III                            | 3 | 2 | 0 | 2 | NO | 21489,21496 |
| 20 | CON  | 311 | 21505 | CONTABILIDAD III                              | 3 | 2 | 0 | 2 | NO | 21490,21497 |
| 21 | AE   | 312 | 21506 | METODOLOGÍA DE LA INVESTIGACIÓN I             | 3 | 2 | 0 | 2 | NO |             |
| 22 | MAT  | 350 | 21507 | CÁLCULO PARA ADMINISTRACIÓN DE EMPRESAS I     | 3 | 2 | 0 | 2 | NO | 21492,21499 |
| 23 | EST  | 351 | 21509 | ESTADÍSTICA PARA ADMINISTRACIÓN DE EMPRESAS I | 3 | 2 | 0 | 2 | NO | 21492,21499 |
| 24 | ING  | 372 | 21508 | INGLÉS COMERCIAL III                          | 3 | 2 | 0 | 2 | NO | 21495,21501 |

TOTAL..... 24 12 0 18

#### II AÑO SEGUNDO SEMESTRE

|    |    |      |       |                                                         |   |   |   |   |    |                   |
|----|----|------|-------|---------------------------------------------------------|---|---|---|---|----|-------------------|
| 25 | RI | 114A | 25799 | HISTORIA DE LAS RELACIONES ENTRE PANAMÁ Y LOS ESTADOS U | 3 | 0 | 0 | 3 | NO |                   |
| 26 | AE | 410  | 21517 | ADMINISTRACIÓN IV                                       | 3 | 2 | 0 | 2 | NO | 21489,21496,21504 |
| 27 | AE | 412  | 21514 | METODOLOGÍA DE LA INVESTIGACIÓN II                      | 3 | 2 | 0 | 2 | NO | 21506             |



UNIVERSIDAD AUTÓNOMA DE CHIRIQUÍ  
SECRETARÍA GENERAL  
PLAN DE ESTUDIO DIURNO

10/12/2025 01:20:58 am

Guía de Plan: 806

LICENCIATURA EN ADMINISTRACION DE EMPRESAS CON ENFASIS EN MERCADOTECNIA - 2017

Sede: DAVID Facultad: ADMINISTRACIÓN DE EMPRESAS Y CONTAB Escuela: ADMINISTRACION DE EMPRESA

Carrera: LICENCIATURA EN ADMINISTRACIÓN DE EMPRESAS CON ENFÁSIS EN MERCADOTECNIA

Fecha Consejo: May 30 2017 No.Consejo: 08-2017 Total Créditos: 199 Versión: 2017

| NO. | Abre. | Núm. | Cod.  | Descripción.                                   | Cr. | HP. | HL. | HT. | Elect. | Pre-Requisitos          |
|-----|-------|------|-------|------------------------------------------------|-----|-----|-----|-----|--------|-------------------------|
| 28  | AE    | 414  | 21512 | LA EMPRESA EN EL SISTEMA BANCARIO              | 3   | 2   | 0   | 2   | NO     | 21489,21496,21504       |
| 29  | MAT   | 450  | 21513 | CÁLCULO PARA ADMINISTRACIÓN DE EMPRESAS II     | 3   | 2   | 0   | 2   | NO     | 21492,21499,21507       |
| 30  | EST   | 451  | 21515 | ESTADÍSTICA PARA ADMINISTRACIÓN DE EMPRESAS II | 3   | 0   | 2   | 2   | NO     | 21492,21499,21507,21509 |
| 31  | GEO   | 471  | 21511 | GEOGRAFÍA ECONÓMICA                            | 3   | 0   | 0   | 3   | NO     |                         |

TOTAL..... 21 8 2 16

VERANO

|    |    |     |       |                                                |   |   |   |   |    |       |
|----|----|-----|-------|------------------------------------------------|---|---|---|---|----|-------|
| 32 | AE | 413 | 21516 | INFORMÁTICA PARA ADMINISTRACIÓN DE EMPRESAS II | 2 | 0 | 4 | 2 | NO | 21503 |
|----|----|-----|-------|------------------------------------------------|---|---|---|---|----|-------|

TOTAL..... 2 0 4 2

III AÑO PRIMER SEMESTRE

|    |       |      |       |                                                         |   |   |   |   |    |                                                               |
|----|-------|------|-------|---------------------------------------------------------|---|---|---|---|----|---------------------------------------------------------------|
| 33 | RI    | 114B | 25800 | HISTORIA DE LAS RELACIONES ENTRE PANAMÁ Y LOS ESTADOS U | 3 | 0 | 0 | 3 | NO |                                                               |
| 34 | AE-RH | 313  | 22354 | ADMINISTRACIÓN DE RECURSOS HUMANOS                      | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 35 | AE-M  | 320  | 22351 | MERCADOTÉCNIA I                                         | 3 | 2 | 0 | 2 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 36 | AE-M  | 321  | 22353 | COMPORTAMIENTO DEL CONSUMIDOR                           | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 37 | AE-M  | 322  | 22356 | EMPRESAS Y PUBLICIDAD                                   | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 38 | AE-F  | 334  | 22352 | GERENCIA FINANCIERA                                     | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 39 | AE-P  | 350  | 22355 | ADMINISTRACIÓN DE OPERACIONES                           | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 40 | EST   | 360  | 22350 | ESTADÍSTICA PARA MERCADOTÉCNIA                          | 3 | 0 | 2 | 2 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |

TOTAL..... 24 2 2 22

III AÑO SEGUNDO SEMESTRE

|    |      |     |       |                                   |   |   |   |   |    |                                                               |
|----|------|-----|-------|-----------------------------------|---|---|---|---|----|---------------------------------------------------------------|
| 41 | AE-M | 323 | 22357 | MERCADOTÉCNIA II                  | 3 | 2 | 0 | 2 | NO | 22351                                                         |
| 42 | AE-M | 324 | 22359 | INVESTIGACIÓN DE MERCADOS I       | 3 | 2 | 0 | 2 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 43 | AE-M | 325 | 22358 | POLÍTICA Y ESTRATEGIA PROMOCIONAL | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 44 | AE-M | 326 | 22360 | COMERCIO INTERNACIONAL            | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 45 | AE-M | 327 | 22361 | MERCADOTÉCNIA DE SERVICIOS I      | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 46 | PUB  | 410 | 22362 | CAMPAÑA PUBLICITARIA              | 3 | 2 | 0 | 2 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |

TOTAL..... 18 6 0 15

IV AÑO PRIMER SEMESTRE

|    |     |     |       |                                                         |   |   |   |   |    |                                                               |
|----|-----|-----|-------|---------------------------------------------------------|---|---|---|---|----|---------------------------------------------------------------|
| 47 | AEM | 420 | 22365 | INVESTIGACIÓN DE MERCADOS II                            | 3 | 2 | 0 | 2 | NO | 22359                                                         |
| 48 | AEM | 421 | 22366 | MERCADOTÉCNIA INTERNACIONAL I                           | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 49 | AEM | 422 | 22367 | POLÍTICA Y ESTRATEGIA DE PRECIOS Y DISTRIBUCIÓN DE PROD | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 50 | AEM | 423 | 22368 | DESARROLLO DEL PRODUCTO                                 | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 51 | AEM | 424 | 22371 | MERCADOTÉCNIA DE SERVICIOS FINANCIEROS II               | 3 | 0 | 0 | 3 | NO | 22361                                                         |
| 52 | AEM | 425 | 22364 | ORGANIZACIÓN Y ESTRATEGIAS DE VENTAS I                  | 3 | 0 | 0 | 3 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,2 |
| 53 | AEM | 460 | 22370 | TRABAJO DE GRADUACIÓN                                   | 3 | 0 | 0 | 3 | NO |                                                               |

TOTAL..... 21 2 0 20

IV AÑO SEGUNDO SEMESTRE



UNIVERSIDAD AUTÓNOMA DE CHIRIQUÍ  
SECRETARÍA GENERAL  
PLAN DE ESTUDIO DIURNO

10/12/2025 01:20:59 am

Guía de Plan: 806

LICENCIATURA EN ADMINISTRACION DE EMPRESAS CON ENFASIS EN MERCADOTECNIA - 2017

Sede: DAVID Facultad: ADMINISTRACIÓN DE EMPRESAS Y CONTAB Escuela: ADMINISTRACION DE EMPRESA

Carrera: LICENCIATURA EN ADMINISTRACIÓN DE EMPRESAS CON ENFÁSIS EN MERCADOTECNIA

| Fecha Consejo: May 30 2017 |       |      |       | No.Consejo: 08-2017                     |     | Total Créditos: 199 |     | Versión: 2017 |        |                                                             |  |
|----------------------------|-------|------|-------|-----------------------------------------|-----|---------------------|-----|---------------|--------|-------------------------------------------------------------|--|
| NO.                        | Abre. | Núm. | Cod.  | Descripción.                            | Cr. | HP.                 | HL. | HT.           | Elect. | Pre-Requisitos                                              |  |
| 54                         | AE-M  | 427  | 22369 | ORGANIZACIÓN Y ESTRATEGÍAS DE VENTAS II | 3   | 0                   | 0   | 3             | NO     | 22364                                                       |  |
| 55                         | AE-M  | 428  | 22374 | SIMULACIÓN DE MERCADOS                  | 3   | 2                   | 0   | 2             | NO     | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499 |  |
| 56                         | AE-M  | 429  | 22373 | PLANEACIÓN ESTRATÉGICA DE MERCADOTÉCNIA | 3   | 0                   | 0   | 3             | NO     | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499 |  |
| 57                         | AE-M  | 430  | 22363 | PROMOCIÓN DE EXPORTACIONES              | 3   | 2                   | 0   | 2             | NO     | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499 |  |
| 58                         | AE-M  | 431  | 22372 | MERCADOTÉCNIA INTERNACIONAL II          | 3   | 0                   | 0   | 3             | NO     | 22366                                                       |  |
| 59                         | AE-M  | 460  | 22375 | TRABAJO DE GRADUACIÓN                   | 3   | 0                   | 0   | 3             | NO     |                                                             |  |
| TOTAL.....                 |       |      |       |                                         | 18  | 4                   | 0   | 16            |        |                                                             |  |

CURSOS OPTATIVOS (Escoger solo 1 opción)

|    |       |     |       |                                                         |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|----|-------|-----|-------|---------------------------------------------------------|---|---|---|---|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| 60 | AE-ME | 470 | 22376 | ADMINISTRACION Y MERCADOTECNIA DE ZONAS MULTISECTORIALE | 3 | 3 | 0 | 0 | NO | 21489,21490,21491,21492,21494,21495,21496,21497,21498,21499,21500,21501,21502,21503,21504,21505,21506,21507,21508,21509,21510,21511,21512,21513,21514,21515,21516,21517,21518,21519,21520,21521,21522,21523,21524,21525,21526,21527,21528,21529,21530,21531,21532,21533,21534,21535,21536,21537,21538,21539,21540,21541,21542,21543,21544,21545,21546,21547,21548,21549,21550,21551,21552,21553,21554,21555,21556,21557,21558,21559,21560,21561,21562,21563,21564,21565,21566,21567,21568,21569,21570,21571,21572,21573,21574,21575,21576,21577,21578,21579,21580,21581,21582,21583,21584,21585,21586,21587,21588,21589,21590,21591,21592,21593,21594,21595,21596,21597,21598,21599,21600,21601,21602,21603,21604,21605,21606,21607,21608,21609,21610,21611,21612,21613,21614,21615,21616,21617,21618,21619,21620,21621,21622,21623,21624,21625,21626,21627,21628,21629,21630,21631,21632,21633,21634,21635,21636,21637,21638,21639,21640,21641,21642,21643,21644,21645,21646,21647,21648,21649,21650,21651,21652,21653,21654,21655,21656,21657,21658,21659,21660,21661,21662,21663,21664,21665,21666,21667,21668,21669,21670,21671,21672,21673,21674,21675,21676,21677,21678,21679,21680,21681,21682,21683,21684,21685,21686,21687,21688,21689,21690,21691,21692,21693,21694,21695,21696,21697,21698,21699,21700,21701,21702,21703,21704,21705,21706,21707,21708,21709,21710,21711,21712,21713,21714,21715,21716,21717,21718,21719,21720,21721,21722,21723,21724,21725,21726,21727,21728,21729,21730,21731,21732,21733,21734,21735,21736,21737,21738,21739,21740,21741,21742,21743,21744,21745,21746,21747,21748,21749,21750,21751,21752,21753,21754,21755,21756,21757,21758,21759,21760,21761,21762,21763,21764,21765,21766,21767,21768,21769,21770,21771,21772,21773,21774,21775,21776,21777,21778,21779,21780,21781,21782,21783,21784,21785,21786,21787,21788,21789,21790,21791,21792,21793,21794,21795,21796,21797,21798,21799,21800,21801,21802,21803,21804,21805,21806,21807,21808,21809,21810,21811,21812,21813,21814,21815,21816,21817,21818,21819,21820,21821,21822,21823,21824,21825,21826,21827,21828,21829,21830,21831,21832,21833,21834,21835,21836,21837,21838,21839,21840,21841,21842,21843,21844,21845,21846,21847,21848,21849,21850,21851,21852,21853,21854,21855,21856,21857,21858,21859,21860,21861,21862,21863,21864,21865,21866,21867,21868,21869,21870,21871,21872,21873,21874,21875,21876,21877,21878,21879,21880,21881,21882,21883,21884,21885,21886,21887,21888,21889,21890,21891,21892,21893,21894,21895,21896,21897,21898,21899,21900,21901,21902,21903,21904,21905,21906,21907,21908,21909,21910,21911,21912,21913,21914,21915,21916,21917,21918,21919,21920,21921,21922,21923,21924,21925,21926,21927,21928,21929,21930,21931,21932,21933,21934,21935,21936,21937,21938,21939,21940,21941,21942,21943,21944,21945,21946,21947,21948,21949,21950,21951,21952,21953,21954,21955,21956,21957,21958,21959,21960,21961,21962,21963,21964,21965,21966,21967,21968,21969,21970,21971,21972,21973,21974,21975,21976,21977,21978,21979,21980,21981,21982,21983,21984,21985,21986,21987,21988,21989,21990,21991,21992,21993,21994,21995,21996,21997,21998,21999,22000,22001,22002,22003,22004,22005,22006,22007,22008,22009,22010,22011,22012,22013,22014,22015,22016,22017,22018,22019,22020,22021,22022,22023,22024,22025,22026,22027,22028,22029,22030,22031,22032,22033,22034,22035,22036,22037,22038,22039,22040,22041,22042,22043,22044,22045,22046,22047,22048,22049,22050,22051,22052,22053,22054,22055,22056,22057,22058,22059,22060,22061,22062,22063,22064,22065,22066,22067,22068,22069,22070,22071,22072,22073,22074,22075,22076,22077,22078,22079,22080,22081,22082,22083,22084,22085,22086,22087,22088,22089,22090,22091,22092,22093,22094,22095,22096,22097,22098,22099,22100,22101,22102,22103,22104,22105,22106,22107,22108,22109,22110,22111,22112,22113,22114,22115,22116,22117,22118,22119,22120,22121,22122,22123,22124,22125,22126,22127,22128,22129,22130,22131,22132,22133,22134,22135,22136,22137,22138,22139,22140,22141,22142,22143,22144,22145,22146,22147,22148,22149,22150,22151,22152,22153,22154,22155,22156,22157,22158,22159,22160,22161,22162,22163,22164,22165,22166,22167,22168,22169,22170,22171,22172,22173,22174,22175,22176,22177,22178,22179,22180,22181,22182,22183,22184,22185,22186,22187,22188,22189,22190,22191,22192,22193,22194,22195,22196,22197,22198,22199,22200,22201,22202,22203,22204,22205,22206,22207,22208,22209,22210,22211,22212,22213,22214,22215,22216,22217,22218,22219,22220,22221,22222,22223,22224,22225,22226,22227,22228,22229,22230,22231,22232,22233,22234,22235,22236,22237,22238,22239,22240,22241,22242,22243,22244,22245,22246,22247,22248,22249,22250,22251,22252,22253,22254,22255,22256,22257,22258,22259,22260,22261,22262,22263,22264,22265,22266,22267,22268,22269,22270,22271,22272,22273,22274,22275,22276,22277,22278,22279,22280,22281,22282,22283,22284,22285,22286,22287,22288,22289,22290,22291,22292,22293,22294,22295,22296,22297,22298,22299,22300,22301,22302,22303,22304,22305,22306,22307,22308,22309,22310,22311,22312,22313,22314,22315,22316,22317,22318,22319,22320,22321,22322,22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