# CHAFFEY COLLEGE CURRICULUM COMMITTEE MEETING RANCHO CAMPUS BEB BUILDING, CONFERENCE ROOM 204 <br> FONTANA CAMPUS, FNAC 100 <br> CHINO CAMPUS, CHMB 143 <br> Teleconference $\mathbf{x 6 7 5 9}$ <br> SUMMARY NOTES <br> February 12, 2020 <br> 1:30pm-3:00pm 

## Members Present:

Angela Burk-Herrick, Curriculum Chair
Bruce Osburn, Business \& Applied Technology
Candice Hines-Tinsley, Kinesiology, Nutrition, \&
Athletics
Charmaine Phipps, Language Arts
Daniel Jacobo, Visual \& Performing Arts
Elaine Martinez, Kinesiology, Nutrition, \& Athletics
Erik Kolb, Mathematics \& Science
Julie Law, Counseling
Kathy Lucero, Admissions \& Records
Laura Hope, Associate Superintendent of Instruction and Institutional Effectiveness

## Members Absent:

Christina McPeck, Social \& Behavioral Sciences
Jeffrey Laguna, Health Sciences
Jo Alvarez, SLO Facilitator, PSR Representative
Kathleen Galipeau, Hospitality, Fashion, Interior Design, \& Culinary
Lisa Doget, Health Sciences
Megan Keebler, Instructional Support

Mary Romero, Business \& Applied Technology
Naomi McCool, Social \& Behavioral Sciences
Nicole DeRose, Acting Faculty Senate President
Nicole Farrand, Visual \& Performing Arts
Rob Kopp, Mathematics \& Science
RuthAnn Garcia, Transfer Center
Ryan Sipma, Catalog \& Schedule Coordinator
Sean Stratton, Articulation Officer
Sherrie Loewen, Health Sciences
Shireen Awad, Curriculum Specialist
Stephen Calebotta, Language Arts
Vanessa Thomas, Business \& Applied Technology

Michael Escobosa, Health Sciences
Patricia Bopko, Financial Aid
Patricia Powell, Counseling
Rob Rundquist, Interim Dean, Institutional Effectiveness and Intersegmental Partnerships
Shelley Marcus, Library Learning Resources

## Guests:

None

1. Call To Order/New Committee Members: The meeting was called to order at 1:38p.m.
2. Public Comment: No comment.
3. Review and Approval of January 15, 2020 Expanded Summary Notes: The summary notes were approved $15 / 0 / 0$.
4. Consent Agenda: None.
5. Curriculum Proposals:

Course Modifications: Second Reading

| CJ-57 | Probation and Parole | Approval: $15 / 0 / 0$ |
| :--- | :--- | :--- |
| CJ-58 | Ethnic Group Relations | Approval: $15 / 0 / 0$ |
| CJ-7 | Criminal Investigation | Approval: $15 / 0 / 0$ |
| CJ-8 | Criminology | Approval: $15 / 0 / 0$ |
| CJ-9 | Crime Scene Management and Forensic <br> Evidence | Approval: $15 / 0 / 0$ |
| CUL-15 | Sanitation, Safety, and Equipment <br> Management | Approval: $15 / 0 / 0$ |
| CUL-17 | Principles of Food Preparation | Approval: $15 / 0 / 0$ |


| CUL-441 | Advanced Professional Baking | Approval: $15 / 0 / 0$ |
| :--- | :--- | :--- |
| CUL-442 | Professional Cooking | Approval: $15 / 0 / 0$ |
| CUL-443 | Artisan Breads | Approval: $15 / 0 / 0$ |
| CUL-444 | World Cuisine | Approval: $15 / 0 / 0$ |
| KINACT-31 | Introduction to Self-Defense and Personal <br> Safety | Approval: $15 / 0 / 0$ |
| MATH-85 | Differential Equations | Approval: $15 / 0 / 0$ |
| PHIL-75 | Symbolic Logic | Approval: $15 / 0 / 0$ |
| PHYS-20A | Algebra/Trigonometry College Physics I | Approval: $15 / 0 / 0$ |
| PHYS-20B | Algebra/Trigonometry College Physics II | Approval: $15 / 0 / 0$ |
| PHYS-30A | Physics for the Medical and Life Sciences I | Approval: 15/0/0 |
| PHYS-30B | Physics for the Medical and Life Sciences II | Approval: $15 / 0 / 0$ |
| PHYS-44 | Introduction to Motion | Approval: $15 / 0 / 0$ |
| PHYS-45 | Physics for Scientists and Engineers I | Approval: $15 / 0 / 0$ |
| PHYS-46 | Physics for Scientists and Engineers II | Approval: $15 / 0 / 0$ |
| PHYS-47 | Physics for Scientists and Engineers III | Approval: $15 / 0 / 0$ |
| PHYS-6 | The Ideas of Physics Laboratory | Approval: $15 / 0 / 0$ |

## Program Modifications: Final Reading

| Culinary Arts | A.S. | Approval: $15 / 0 / 0$ |
| :--- | :--- | :--- |
| Culinary Arts | Certificate of Achievement | Approval: $15 / 0 / 0$ |

Course Modifications w/ DE: First and Second Reading

| BUSMGT-11 | Retail Merchandising and Management | Approval: 15/0/0 | Distance Education <br> Approval Hybrid/Online: <br> $15 / 0 / 0$ |
| :--- | :--- | :--- | :--- |
| BUSGMT-13 | Supply Chain Management | Approval: 15/0/0 | Distance Education <br> Approval Hybrid/Online: <br> $15 / 0 / 0$ |
| BUSMGT-14 | Transportation Management | Approval: 15/0/0 | Distance Education <br> Approval Hybrid/Online: <br> $15 / 0 / 0$ |
| BUSMGT-436 | Introduction to Logistics Management | Approval: 15/0/0 | Distance Education <br> Approval Hybrid/Online: <br> $15 / 0 / 0$ |
| HOTFS-10 | Introduction to Hospitality Management | Approval: 15/0/0 | Distance Education <br> Approval Online: $15 / 0 / 0$ |
| IET-422 | OSHA Safety Training | Approval: 15/0/0 | Distance Education <br> Approval Online: $15 / 0 / 0$ |
| PSYCH-5 | Personal and Social Awareness | Approval: 15/0/0 | Distance Education <br> Approval Hybrid/Online: <br> 15/0/0 |

Course Modifications: First and Second Reading

| BUS-496ABCD | Internships in Business | Approval: $15 / 0 / 0$ |
| :--- | :--- | :--- |
| BUS-60 | Business Ethics | Approval: $15 / 0 / 0$ |
| BUSMGT-44 | Introduction to Human Relations | Approval: $15 / 0 / 0$ |
| BUSMGT-470 | Essentials of Facilities Management | Approval: $15 / 0 / 0$ |
| CJ-1 | Introduction to the Criminal Justice System | Approval: $15 / 0 / 0$ |
| EGTECH-12 | Principles of Engineering | Approval: $15 / 0 / 0$ |
| HIST-9 | History of Asian Civilizations I | Approval: $15 / 0 / 0$ |


| IET-401B | Industrial Basic Controls | Approval: 15/0/0 |
| :---: | :---: | :---: |
| IET-403B | Electrical Motors and Controls II | Approval: 15/0/0 |
| IET-405 | National Electric Code | Approval: 15/0/0 |
| IET-407 | Electrical Blueprints | Approval: 15/0/0 |
| IET-413 | Intermediate Programmable Logic Controllers | Approval: 15/0/0 |
| INDMM-400 | Intro to Construction Safety, Trade Math, Rigging, and Tools | Approval: 15/0/0 |
| INDMM-600 | Intro to Construction Safety, Trade Math, Rigging, and Tools | Approval: 15/0/0 |
| INDMM-604 | Industrial Mechanical Math and Precision Tools | Approval: 15/0/0 |
| INDMM-605 | Introduction to Industrial Piping | Approval: 15/0/0 |
| INDMM-606 | Introduction to Valves, Bearings and Testing | Approval: 15/0/0 |
| INDMM-607 | Installation of Bearings, Couplings, Seals, and Drives | Approval: 15/0/0 |
| INDMM-608 | Setting Baseplates and Alignment | Approval: 15/0/0 |
| INDMM-609 | Advanced Alignment | Approval: 15/0/0 |
| INDMM-610 | Fundamentals of Pressure, Heating \& Cooling Systems | Approval: 15/0/0 |
| INDMM-611 | Troubleshooting Pumps and Gearboxes | Approval: 15/0/0 |
| INDMM-612 | Advanced Blueprint Reading and Introduction to Supervisory Skills | Approval: 15/0/0 |
| INDMM-613 | Advanced Mechanical Topics I | Approval: 15/0/0 |
| INDMM-614 | Advanced Mechanical Topics II | Approval: 15/0/0 |
| MUSIC-26 | World Music | Approval: 15/0/0 |
| MUSIC-2A | Music History and Literature | Approval: 15/0/0 |
| MUSIC-2B | Music History and Literature | Approval: 15/0/0 |
| MUSIC-35 | Piano for Music Majors I | Approval: 15/0/0 |
| MUSIC-36 | Piano for Music Majors II | Approval: 15/0/0 |
| MUSIC-37 | Intermediate Piano | Approval: 15/0/0 |
| MUSIC-38 | Studio Piano | Approval: 15/0/0 |
| MUSIC-58 | Applied Music | Approval: 15/0/0 |
| MUSIC-75 | Concert Choir | Approval: 15/0/0 |
| MUSIC-76 | Chamber Choir | Approval: 15/0/0 |
| NURADN-14 | Nursing Process 1 | Approval: 15/0/0 |
| NURADN-14L | Nursing Process 1 Laboratory | Approval: 15/0/0 |
| NURADN-26 | Maternal-Newborn Nursing | Approval: 15/0/0 |
| NURADN-26L | Maternal-Newborn Nursing Laboratory | Approval: 15/0/0 |
| NURADN-27 | Nursing Process 2 | Approval: 15/0/0 |
| NURADN-27L | Nursing Process 2 Laboratory | Approval: 15/0/0 |
| NURADN-3 | Transition in Nursing | Approval: 15/0/0 |
| NURADN-3L | Transition in Nursing Laboratory | Approval: 15/0/0 |
| NURVN-414 | Acute Care Nursing Assistant: Vocational Nursing Foundations | Approval: 15/0/0 |
| PSYCH-65 | Social Psychology | Approval: 15/0/0 |
| SOC-26 | Introduction to Latin American Societies | Approval: 15/0/0 |
| SOC-80 | Introduction to Research Methods in Sociology | Approval: 15/0/0 |
| THEATRE-32 | Theatre Design-Lighting | Approval: 15/0/0 |

## 6. Discussion Items:

6.1. META Updates: The Curriculum Specialist shared that she and the Curriculum Chair have begun preplanning for CurriQnet META. They shared a draft proposal for the workflow of new programs and courses in META. The Curriculum Office recommends that internal departmental review remain as the first steps in the proposal process; however, they have arranged the order of this review. It is proposed that discipline faculty are the first in line to review proposals made by an originator. Due to the varying number of full-time faculty within each department, all full-time faculty will have seven days to review the proposal. If available, the Curriculum Office will ask META to move the proposal forward automatically after seven days. The coordinator would be next for review followed by the Dean. The Curriculum Office asks that Dean review comments made by discipline faculty and the Coordinator. These comments should be taken into consideration before the Dean approves (moves a proposal forward) or requests revisions (moves a proposal back to the originator). As before, Technical Review will occur after internal departmental review. Then, the Curriculum Committee will review proposals after Technical Review as usual. The Curriculum Committee will do a thorough review one time (as opposed to two), and if proposals are not ready for committee approval, the proposal will be sent back to the originator.

The Curriculum Specialist also presented a workflow chart created by the Curriculum Chair that encompasses the various areas on campus that work with the curriculum approved by the Curriculum Committee. The chart was created from meetings that have occurred since last spring with the various constituents listed on the flow chart. This flow chart represents how curriculum moves through various areas. The goal of this workflow is to make the process of curriculum more transparent and to inform when curriculum goes "live". In previous years, the Curriculum Office would email the various partners on the map to inform them of Chancellor's Office approval/chaptering. This email gave the perception that the curriculum was live and ready to be offered; however, Chancellor's Office approval/chaptering is the first step of processing curriculum after Curriculum Committee/Board of Trustees approval. To help minimize this confusion, the Curriculum Office will now only email the Catalog and Schedule Coordinator who would then begin their work in Colleague. Once their work is completed, they will coordinate with the other departments (i.e. Admissions and Counseling). Once the Catalog and Schedule Coordinator has completed their process, the curriculum will be "live".

The Curriculum Office asks that faculty on the Curriculum Committee join a workgroup to help with the layout and development of META. The Curriculum Chair called for volunteers:

| OBJECTIVES | META WORKGROUP |
| :---: | :---: |
| Courses: <br> - Identify what requirements are needed from the updated PCAH. <br> - Reframe development questions with an equity lens. <br> - Provide suggestions for improvement based upon user experience. <br> - Assist in layout and format design. <br> Programs: <br> - Identify what requirements are needed from the updated PCAH. <br> - Reframe development questions with Guided Pathways lens. <br> - Provide suggestions for improvement based upon user experience. <br> - Assist in layout and format design. <br> Timeline: TBD (Considerations include every other Wednesday as needed). | 1. Ryan Sipma <br> 2. Charmaine Phipps |

6.2. Real Estate Curriculum: The Chair shared that in Spring 2019, the Curriculum Committee asked the Real Estate faculty to change their course numbers from transferrable to non-transferrable since there were no comparable courses.

Per the committee's request, the faculty launched the proposals; however, in Fall 2019, the Curriculum Team met with Admissions to discuss the impact of changing the transferrable status on courses. Due to repeatability issues, transfer status changes are now considered substantial which require "new" course submissions. Since the Real Estate faculty launched their work before this process, their original modifications can no longer move forward. Since the policy was not created at the time Real Estate faculty submitted their proposals (as asked by the Curriculum Committee), the Curriculum Chair would like to fix the Real Estate curriculum based upon the new policy. The Coordinator of the Real Estate program agrees to this logistical fix as well. The Curriculum Committee shared no concerns.

### 6.3. IGETC/ADT and Communication Studies Discussion:

## IGETC Oral Communication Issue

Associate Degrees for Transfer (ADTs) accept either the CSU GE, IGETC-CSU, or IGETC-UC patterns. Note: CSUs require COMSTD 2, 6, or 8 for transfer admission

| GE Pattern | Oral Communication <br> (COMSTD 2, 6, or 8) |
| :--- | :--- |
| CSU GE | Required |
| IGETC-CSU | Required |
| IGETC-UC | NOT required |

The Problem: If an ADT is earned using the IGETC-UC, students will not be accepted at a CSU unless they have completed the Oral Communication (COMSTD 2, 6, or 8 ) requirement.
Our counselors \& degree auditors need clarification on whether ADTs should be awarded to students who have not taken COMSTD 2, 6, or 8 .

Proposal: Even though ADTs were initially designed to facilitate transfer to CSUs, Chaffey should award ADT degrees for students who complete IGETC-UC because ADTs are also being used for transfer admission at non-CSU 4 years (e.g. privates, UCs in near future). In addition, all student-facing program information (catalog, major sheets, program pages, etc.) should alert students that they will need COMSTD 2, 6 , or 8 for transfer admission to a CSU.

Discussion from the Curriculum Committee was centered on the problem detailed above. Julie Law shared experiences of students who ran into this issue and the confusion this issue has caused for Counselors and Degree Auditors. The Articulation Officer expressed concern that this is a statewide issue that has been occurring for a few years. While no solution to the issue was determined, the Curriculum Committee feels that there needs to be a resolution that is created with the assistance of the Associate Superintendent of Instruction. Discussion will continue at the next meeting.

### 6.4. Academic and Career Communities Follow-Up: Tabled.

7. Floor Items: None.
8. Adjournment: The meeting was adjourned at $3: 05$ p.m.

| Name |  | $\text { Summary Notes } 1 / 15 / 2020$ | $$ | $\begin{aligned} & \infty \\ & 0 \\ & \hline \end{aligned}$ | $\hat{j}$ | $\begin{aligned} & \infty \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { o } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { n } \\ & \text { د1 } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \\ & \hline \end{aligned}$ | $$ | $$ | $$ | $$ |  |  |  | $\begin{aligned} & \mathbb{S} \\ & \stackrel{N}{n} \\ & \text { N } \\ & \\ & \hline \end{aligned}$ | No |
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| Bruce Osburn | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Candice HinesTinsley | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Charmaine Phipps | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Christina McPeck |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Daniel Jacobo | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Erik Kolb | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Elaine Martinez | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Jeffrey Laguna |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jo Alvarez |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Julie Law | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Kathy Galipeau |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lisa Doget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mary Romero | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Megan Keebler |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Michael Escobosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Naomi McCool | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nicole DeRose | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Nicole Farrand | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patricia Powell |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rob Kopp | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| RuthAnn Garcia | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Ryan Sipma | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Sean Stratton | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Shelley Marcus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sherrie Loewen | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Stephen Calebotta | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Total Counts | 17 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

Quorum= 26/2=13+1=14

| Non-Voting |  |
| :--- | :--- |
| Angela Burk-Herrick | X |
| Kathy Lucero | X |
| Laura Hope | X |
| Patricia Bopko | X |
| Rob Rundquist | X |
| Shireen Awad |  |
| Vanessa Thomas |  |
| PSR Representative | DE Representative <br> (Jonathan Ausubel) |

*Note: All proposals were approved.

| Name |  | $\begin{aligned} & \infty \\ & \stackrel{\sim}{0} \\ & \underset{\sim}{n} \\ & \\ & \hline \mathbf{I} \\ & \hline \end{aligned}$ |  | $$ | $\begin{aligned} & 0 \\ & \dot{4} \\ & \underset{I}{2} \\ & \hline \end{aligned}$ |  |  | CULINARY ARTS AS |  | $\begin{aligned} & \underset{\sim}{7} \\ & \stackrel{1}{1} \\ & \sum_{n}^{0} \\ & \underset{\infty}{0} \\ & \hline \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 이 } \\ & \text { 山⿱艹\zh2 } \\ & \text { 오 } \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\text { H}}{\underline{~}} \end{aligned}$ |  |  |  | $\begin{aligned} & \text { I } \\ & \stackrel{1}{H} \\ & \sum_{n}^{0} \\ & \underset{\infty}{0} \end{aligned}$ |
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| Bruce Osburn |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Candice Hines－ Tinsley | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Charmaine Phipps | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Christina McPeck |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Daniel Jacobo | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Erik Kolb | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Elaine Martinez | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Jeffrey Laguna |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jo Alvarez |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Julie Law | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Kathy Galipeau |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lisa Doget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mary Romero | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Megan Keebler |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Michael Escobosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Naomi McCool |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nicole DeRose | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Nicole Farrand | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patricia Powell |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rob Kopp | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| RuthAnn Garcia | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Ryan Sipma | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Sean Stratton | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Shelley Marcus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sherrie Loewen | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Stephen Calebotta | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Total Counts | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |


| Name | $\begin{aligned} & \stackrel{\circ}{4} \\ & \underset{N}{4} \\ & \sum_{n}^{n} \\ & \hline \infty \end{aligned}$ | j |  | $\begin{aligned} & \text { 온 } \\ & \underline{\underline{5}} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \underset{\sim}{0} \\ & \stackrel{y}{t} \end{aligned}$ | $\begin{aligned} & \text { 은 } \\ & \stackrel{y}{4} \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{O}{\Psi} \\ & \underline{t} \\ & \hline \end{aligned}$ | $\begin{gathered} \underset{7}{7} \\ \underset{\sim}{ \pm} \end{gathered}$ | $\begin{aligned} & \text { O} \\ & \sum_{i}^{i} \\ & \sum_{i}^{1} \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \sum_{0}^{1} \\ & \sum_{i}^{2} \\ & \underline{2} \end{aligned}$ | $\begin{aligned} & \text { O } \\ & \sum_{i}^{1} \\ & \sum_{i}^{1} \end{aligned}$ | n $\sum_{0}^{1}$ $\sum_{i}^{1}$ 2 | $\begin{aligned} & \text { O} \\ & \sum_{0}^{0} \\ & \sum_{0}^{1} \\ & i n \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \sum_{0}^{1} \\ & \sum_{0}^{1} \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \sum_{i}^{0} \\ & \sum_{i}^{1} \\ & i n \end{aligned}$ | O $\sum_{0}^{0}$ $\sum_{2}^{1}$ 2 | 0 $\sum_{i}^{0}$ $\sum_{2}^{1}$ |  | $\begin{aligned} & \text { No } \\ & \sum_{i}^{0} \\ & \sum_{\underline{2}}^{1} \end{aligned}$ | $n$ $\sum_{i}^{n}$ $\sum_{i}^{1}$ $\vdots$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bruce Osburn |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Candice HinesTinsley | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Charmaine Phipps | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Christina McPeck |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Daniel Jacobo | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Erik Kolb | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Elaine Martinez | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Jeffrey Laguna |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jo Alvarez |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Julie Law | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Kathy Galipeau |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lisa Doget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mary Romero | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Megan Keebler |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Michael Escobosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Naomi McCool |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nicole DeRose | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Nicole Farrand | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patricia Powell |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rob Kopp | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| RuthAnn Garcia | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Ryan Sipma | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Sean Stratton | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Shelley Marcus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sherrie Loewen | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Stephen Calebotta | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Total Counts | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |


| Name | $\begin{aligned} & \underset{J}{J} \\ & \sum_{0}^{1} \\ & \sum_{i}^{1} \\ & \underline{Z} \end{aligned}$ | $\begin{aligned} & \stackrel{0}{N} \\ & \underset{N}{N} \\ & \underset{\Sigma}{D} \end{aligned}$ | $\begin{aligned} & \mathbb{N} \\ & \dot{N} \\ & \underset{\Sigma}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\infty}{N} \\ & \stackrel{N}{N} \\ & \underset{\Sigma}{\sim} \end{aligned}$ | $\begin{aligned} & \stackrel{n}{N} \\ & \stackrel{N}{n} \\ & \stackrel{D}{\Sigma} \end{aligned}$ | $\begin{aligned} & \text { o } \\ & \tilde{U} \\ & \stackrel{N}{n} \\ & \dot{\Sigma} \end{aligned}$ | $\begin{aligned} & \stackrel{N}{N} \\ & \stackrel{N}{n} \\ & \underset{\Sigma}{n} \end{aligned}$ | $\begin{aligned} & \stackrel{\infty}{N} \\ & \stackrel{N}{N} \\ & \stackrel{D}{\Sigma} \end{aligned}$ | $\begin{aligned} & \stackrel{\infty}{N} \\ & \stackrel{N}{U} \\ & \underset{\Sigma}{\Sigma} \end{aligned}$ |  | $\begin{aligned} & \stackrel{0}{\dot{N}} \\ & \stackrel{N}{n} \\ & \stackrel{D}{\Sigma} \end{aligned}$ |  | $\begin{aligned} & \vec{~} \\ & \underset{1}{1} \\ & \underset{2}{2} \\ & \stackrel{1}{4} \\ & \underset{2}{2} \end{aligned}$ |  |  |  |  | $\begin{aligned} & \underset{\sim}{J} \\ & \underset{y}{\underset{N}{y}} \\ & \underset{Z}{2} \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Candice HinesTinsley | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Charmaine Phipps | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Christina McPeck |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Daniel Jacobo | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Erik Kolb | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Elaine Martinez | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Jeffrey Laguna |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jo Alvarez |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Julie Law | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Kathy Galipeau |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lisa Doget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mary Romero | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Megan Keebler |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Michael Escobosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Naomi McCool |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nicole DeRose | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Nicole Farrand | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patricia Powell |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rob Kopp | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| RuthAnn Garcia | $X$ | $X$ | X | $X$ | X | $X$ | $X$ | $X$ | $X$ | $X$ | $X$ | X | X | X | X | X | $X$ | X | X | $X$ |
| Ryan Sipma | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Sean Stratton | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Shelley Marcus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sherrie Loewen | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | $X$ | X | X | X |
| Stephen Calebotta | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Total Counts | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |


| Name | N | O | U O T $\vdots$ $\vdots$ $\vdots$ | $\underset{\sim}{\text { N }}$ |
| :---: | :---: | :---: | :---: | :---: |
| Bruce Osburn |  |  |  |  |
| Candice HinesTinsley | X | X | X | X |
| Charmaine Phipps | X | X | X | X |
| Christina McPeck |  |  |  |  |
| Daniel Jacobo | X | X | X | X |
| Erik Kolb | X | X | X | X |
| Elaine Martinez | X | X | X | X |
| Jeffrey Laguna |  |  |  |  |
| Jo Alvarez |  |  |  |  |
| Julie Law | X | X | X | X |
| Kathy Galipeau |  |  |  |  |
| Lisa Doget |  |  |  |  |
| Mary Romero | X | X | X | X |
| Megan Keebler |  |  |  |  |
| Michael Escobosa |  |  |  |  |
| Naomi McCool |  |  |  |  |
| Nicole DeRose | X | X | X | X |
| Nicole Farrand | X | X | X | X |
| Patricia Powell |  |  |  |  |
| Rob Kopp | X | X | X | X |
| RuthAnn Garcia | X | X | $X$ | X |
| Ryan Sipma | X | X | $X$ | X |
| Sean Stratton | X | X | X | X |
| Shelley Marcus |  |  |  |  |
| Sherrie Loewen | X | X | X | X |
| Stephen Calebotta | X | X | X | X |
| Total Counts | 15 | 15 | 15 | 15 |

